Appendix A:
Air Quality Supporting Information

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A.1 - Air Quality Reports

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Agua Mansa Commerce Center

AIR QUALITY IMPACT ANALYSIS

CITY OF COLTON

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LIST OF ABBREVIATED TERMS

%	Percent
°F	Degrees Fahrenheit
(1)	Reference
µg/m^3	Microgram per Cubic Meter
1992 CO Plan	*1992 Federal Attainment Plan for Carbon Monoxide*
1993 CEQA Handbook	*SCAQMD's CEQA Air Quality Handbook (1993)*
2016-2040 RTP/SCS	*2016-2040 Regional Transportation Plan/Sustainable Communities Strategy*
AB 2595	California Clean Air Act
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BAAQMD	Bay Area Air Quality Management District
BC	Black Carbon
Brief	Brief of Amicus Curiae by the SCAQMD in the Friant Ranch Case
C_2Cl_4	Perchloroethylene
C_4H_6	1,3-butadiene
C_6H_6	Benzene
C_2H_3Cl	Vinyl Chloride
C_2H_4O	Acetaldehyde
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CEQA Guidelines	*2019 CEQA Statute and Guidelines*
CFR	Code of Federal Regulations
CH_2O	Formaldehyde
City	City of Colton
CO	Carbon Monoxide
COH	Coefficient of Haze

COHb	Carboxyhemoglobin
Cr(VI)	Chromium
CTP	Clean Truck Program
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
EC	Elemental Carbon
EIR	Environmental Impact Reports
EMFAC	EMissions FACtor Model
EPA	Environmental Protection Agency
ETW	Equivalent Test Weight
GHG	Greenhouse Gas
GPU EIR	*City of Colton General Plan Update Environmental Impact Report SCH No. 2012031037*
GVWR	Gross Vehicle Weight Rating
H_2S	Hydrogen Sulfide
HDT	Heavy Duty Trucks
HI	Hazard Index
HHDT	Heavy-Heavy-Duty Trucks
hp	Horsepower
I-10	Interstate 10 Freeway
lbs	Pounds
lbs/day	Pounds Per Day
LDA	Light Duty Auto
LDR	Low Density Residential
LDT1/LDT2	Light-Duty Trucks
LHDT1/LHDT2	Light-Heavy-Duty Trucks
LST	Localized Significance Threshold
LST Methodology	Final Localized Significance Threshold Methodology
MATES	Multiple Air Toxics Exposure Study
MCY	Motorcycles
MDV	Medium-Duty Vehicles
MHDT	Medium-Heavy-Duty Trucks
MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
mph	Miles Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N_2	Nitrogen

N_2O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NO	Nitric Oxide
NO_2	Nitrogen Dioxide
NO_X	Nitrogen Oxides
O_2	Oxygen
O_3	Ozone
O_2 Deficiency	Chronic Hypoxemia
OBD-II	On-Board Diagnostic
OPR	Office of Planning and Research
Pb	Lead
PM_{10}	Particulate Matter 10 microns in diameter or less
$PM_{2.5}$	Particulate Matter 2.5 microns in diameter or less
POLA	Port of Los Angeles
POLB	Port of Long Beach
ppm	Parts Per Million
Project	Agua Mansa Commerce Center
RECLAIM	Regional Clean Air Incentives Market
RFG-2	Reformulated Gasoline Regulation
ROG	Reactive Organic Gases
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCE	Southern California Edison
SCAQMD	South Coast Air Quality Management District
sf	Square Foot or Square Feet
SIPs	State Implementation Plans
SO_2	Sulfur Dioxide
SO_4	Sulfates
SO_X	Sulfur Oxides
SoCalGas	The Southern California Gas Company
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TDM	Transportation Demand Management
TA	*Agua Mansa Commerce Center Traffic Analysis*
Title 24	California Building Code
TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions

TRUs	Transport Refrigeration Units
UFP	Ultra Fine Particles
UP	Union Pacific
UTRs	Utility Tractors
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
vph	Vehicles Per Hour

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EXECUTIVE SUMMARY

California Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183 mandate that projects that are consistent with the development density established by existing zoning, community plan, or general plan policies for which a Final EIR (FEIR) was certified will not require additional environmental review, except as might be necessary to examine whether there are project-specific significant effects which are peculiar to the proposed project or its site. The CEQA Guidelines further state that "if an impact is not peculiar to the parcel or the project, has been addressed as a significant effect in the prior EIR, or can be substantially mitigated by the imposition of uniformly applied development policies or standards, then an additional EIR need not be prepared for the project solely on the basis of that impact" (CEQA Guidelines § 15183(c)). This is consistent with the fundamental CEQA policy favoring finality once an EIR is certified, and thus streamlines the review of such projects and reduces the need to prepare repetitive environmental studies.

The purpose of this consistency assessment is to evaluate whether the project, which is consistent with the *City of Colton General Plan Update Environmental Impact Report SCH No. 2012031037* (referred to herein as GPU EIR or Prior EIR), has any "project-specific significant effects that are peculiar to the project or its site" and if so, whether such effects: (1) were "not analyzed as significant effects" in the Prior EIR; (2) are "potentially significant off-site impacts or cumulative impacts which were not discussed" in the Prior EIR; or (4) were "previously identified significant effects, which as a result of substantial new information . . . are determined to have a more severe adverse impact than discussed in the previous" GPU EIR (CEQA Guidelines, § 15183(b)(1)–(4)).

Air quality impacts associated with the proposed project were analyzed for consistency with those impacts identified in the Prior EIR, from both a construction and operational perspective. The analysis is based on thresholds of significance used in the Prior EIR and the CEQA Guidelines (Appendix G). Where available, CEQA provides that the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the relevant determinations. Accordingly, the City has determined, in its discretion, to utilize the significance criteria and methodologies utilized by the South Coast Air Quality Management District (SCAQMD). As shown on Table ES-1, the proposed project is consistent with the impacts identified in the Prior EIR.

TABLE ES-1: SUMMARY OF SIGNIFICANCE FINDINGS

Environmental Issue Area	Prior EIR Determination	Potentially Significant Effect?	Effects Peculiar to Project or Site?	New Significant Effect?	New Significant Off-site or Cumulative Impact?	New Information, More Severe Adverse Impact?
1. Would the project conflict with or obstruct implementation of the applicable air quality plan?	**Significant and Unavoidable**	**YES**	**YES**	**NO**	**NO**	**NO**
2. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard?	**Significant and Unavoidable**	**YES**	**YES**	**NO**	**NO**	**NO**
3. Would the project expose sensitive receptors to substantial pollutant concentrations?	**Less Than Significant**	**NO**	**NO**	**NO**	**NO**	**NO**
4. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	**Less Than Significant**	**NO**	**NO**	**NO**	**NO**	**NO**

ES.2 REGULATORY REQUIREMENTS

There are numerous requirements that development projects must comply with by law, and that were put in place by federal, State, and local regulatory agencies for the improvement of air quality.

Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel shall conform to the requirements of the SCAQMD.

SCAQMD RULES

SCAQMD Rules that are currently applicable during construction activity for this Project are described below.

SCAQMD RULE 403

This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities.

Dust Control, Operations. Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel, shall conform to the requirements of the SCAQMD.

SCAQMD RULE 1113

This rule serves to limit the VOC content of architectural coatings used on projects in the SCAQMD. Any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects.

TITLE 24

The proposed project is required to comply with Title 24 of the California Code of Regulations (CCR) established by the California Energy Commission (CEC) regarding energy conservation standards.

ES.3 GPU EIR MITIGATION MEASURES

No mitigation measures applicable. The General Plan Update PEIR included no mitigation measures beyond continued implementation of General Plan policies at the program level to further reduce criteria pollutant emissions. (General Plan PEIR, p. 4.3-23)

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1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Agua Mansa Commerce Center (Project). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend project design features (PDF) to avoid impacts considered potentially significant in comparison to thresholds established by the SCAQMD. The PDFs recommended shall be required to be implemented by the Project applicant, and shall be enforced by the City through Project conditions of approval.

1.1 SITE LOCATION

The proposed Project is located south of Agua Mansa Road and west of Rancho Avenue at 1500 West Agua Mansa Road in the City of Colton. The Interstate 10 (I-10) freeway is located approximately 1.00 mile north of the Project site boundary.

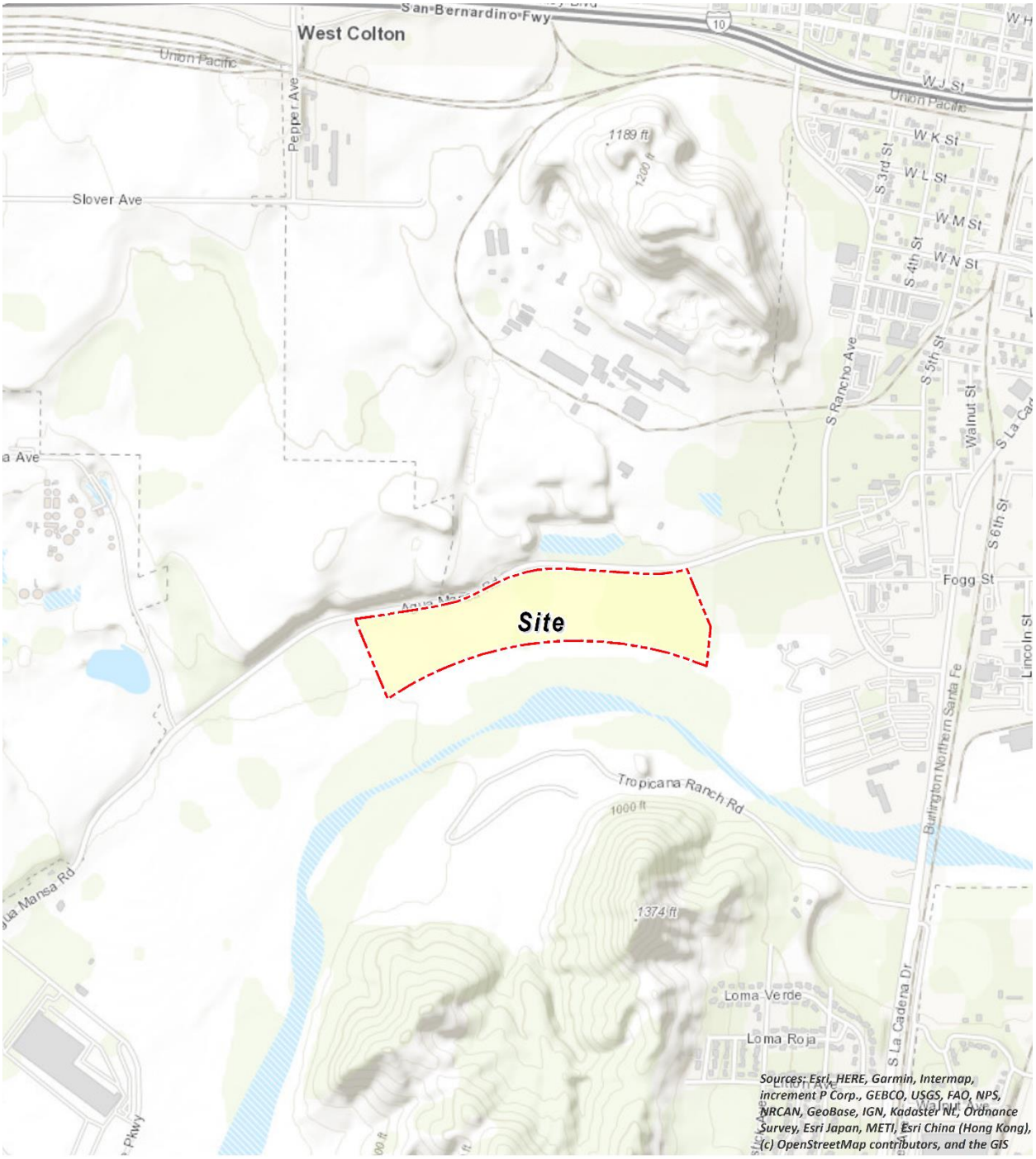
The Project is located adjacent to vacant land to the north and south, existing industrial uses with a residential home to the west and east of the Project site. As per the City of Colton General Plan, the Project site is designated for Heavy Industrial uses. Heavy Industrial uses may include heavy manufacturing, distribution, assembly, resource mining, storage, and similar activities not normally compatible near residential development due to environmental nuisances such as noise and air pollution. Within established areas, Heavy Industrial uses should be buffered from residential neighborhoods by Light Industrial or Business Park development wherever possible (1).

1.2 PROJECT DESCRIPTION

Exhibit 1-B illustrates the preliminary Project site plan. The Project is proposed to consist of 913,743 square feet (sf) of High-Cube Automated Freezer/Cold Storage Warehouse and High-Cube Fulfillment Center Warehouse uses. Building 1 is proposed for 454,543 sf of High-Cube Cold Storage Warehouse use and Building 2 is proposed for 114,000 sf of High-Cube Automated Freezer/Cold Storage Warehouse use (25% of total building square footage) and 342,000 sf of High-Cube Fulfillment Center Warehouse use (75% of total building square footage). The Project is anticipated to be constructed in a single phase by the year 2022.

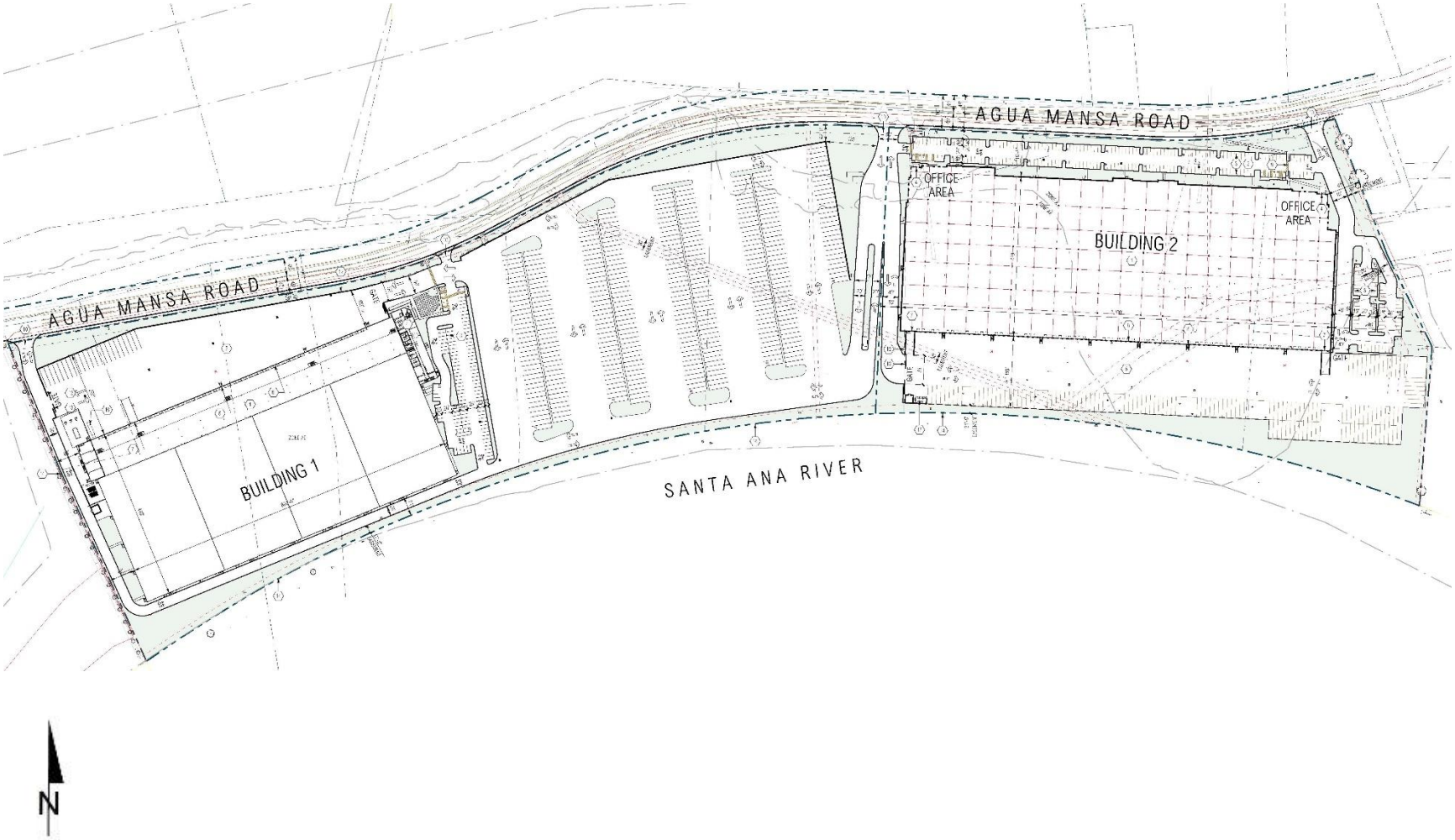
This analysis includes a conservative assumption of on-site Project-related emission sources for potential future tenants, including architectural coatings, consumer products, landscape maintenance equipment, emissions associated with natural gas and electricity, and mobile source emissions. This analysis is intended to describe air impacts associated with the expected operational activities at the Project site. This report assumes the Project will operate 24-hours daily for seven days per week.

EXHIBIT 1-A: LOCATION MAP



N

EXHIBIT 1-B: SITE PLAN



1.3 PROJECT DESIGN FEATURES (PDF)

PDF AQ-1

For construction equipment greater than 150 horsepower (hp), the Construction Contractor shall ensure that off-road diesel construction equipment complies with Environmental Protection Agency (EPA)/California Air Resources Board (CARB) Tier 3 emissions standards and shall ensure that all construction equipment is tuned and maintained in accordance with the manufacturer's specifications.

PDF AQ-2

All actively graded (disturbed) areas within the Project site during fine grading/site preparation activities shall be watered at 2.1-hour watering intervals (e.g., 4 times per day) or a movable sprinkler system shall be in place to ensure minimum soil moisture of 12 percent (%) in maintained for actively graded areas. Moisture content can be verified with use of a moisture probe by the grading contractor.

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2 AIR QUALITY SETTING

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

2.1 SOUTH COAST AIR BASIN (SCAB)

The Project site is located in the SCAB within the jurisdiction of SCAQMD (2). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As previously stated, the Project site is located within the SCAB, a 6,745-square mile subregion of the SCAQMD, which includes portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County.

The SCAB is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Los Angeles County portion of the Mojave Desert Air Basin is bounded by the San Gabriel Mountains to the south and west, the Los Angeles / Kern County border to the north, and the Los Angeles / San Bernardino County border to the east. The Riverside County portion of the Salton Sea Air Basin is bounded by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to middle 60s degrees Fahrenheit (°F). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide (SO_2) to sulfates (SO_4) is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71% along the coast and 59% inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90% of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los

Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.

Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year there are approximately 10 hours of possible sunshine, and on the longest day of the year there are approximately 14½ hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed "Santa Anas" each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the "Catalina Eddy," a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as NO_X and CO from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 WIND PATTERNS AND PROJECT LOCATION

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The SCAB is located in a coastal plain with connecting broad valleys and

low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly onshore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 CRITERIA POLLUTANTS

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and health effects are identified below (3):

TABLE 2-1: CRITERIA POLLUTANTS

Criteria Pollutant	Description	Sources	Health Effects
CO	CO is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone (O_3), motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O_2) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O_2 transport and competing with O_2 to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O_2 supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O_2 deficiency) as seen at high altitudes.

Criteria Pollutant	Description	Sources	Health Effects
SO_2	SO_2 is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO_2 oxidizes in the atmosphere, it forms SO_4. Collectively, these pollutants are referred to as sulfur oxides (SO_X).	Coal or oil burning power plants and industries, refineries, diesel engines	A few minutes of exposure to low levels of SO_2 can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO_2. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO_2. Animal studies suggest that despite SO_2 being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO_2 levels. In these studies, efforts to separate the effects of SO_2 from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.

Criteria Pollutant	Description	Sources	Health Effects
NO_X	NO_X consist of nitric oxide (NO), nitrogen dioxide (NO_2) and nitrous oxide (N_2O) and are formed when nitrogen (N_2) combines with O_2. Their lifespan in the atmosphere ranges from one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. NO_X is typically created during combustion processes and are major contributors to smog formation and acid deposition. NO_2 is a criteria air pollutant and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO_2 is the most abundant in the atmosphere. As ambient concentrations of NO_2 are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO_2 than those indicated by regional monitoring station.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO_2 at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO_2 in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups. In animals, exposure to levels of NO_2 considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of O_3 exposure increases when animals are exposed to a combination of O_3 and NO_2.
O_3	O_3 is a highly reactive and unstable gas that is formed when VOCs and NO_X, both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. O_3 concentrations are generally highest during the summer	Formed when reactive organic gases (ROG) and NO_X react in the presence of sunlight. ROG sources include any source	Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible sub-groups for O_3 effects. Short-term exposure (lasting for a

Criteria Pollutant	Description	Sources	Health Effects
	months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.	that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and storage and pesticides.	few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated O_3 levels are associated with increased school absences. In recent years, a correlation between elevated ambient O_3 levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and reside in communities with high O_3 levels. O_3 exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O_3 may be more toxic than exposure to O_3 alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.
Particulate Matter	PM_{10}: A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. Particulate matter pollution is a major cause of reduce visibility (haze) which is caused by the scattering of light	Sources of PM_{10} include road dust, windblown dust and construction. Also formed from other pollutants (acid rain, NO_X, SO_X,	A consistent correlation between elevated ambient fine particulate matter (PM_{10} and $PM_{2.5}$) levels and an increase in mortality rates, respiratory infections, number and severity of

Criteria Pollutant	Description	Sources	Health Effects
	and consequently the significant reduction air clarity. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. Additionally, it should be noted that PM_{10} is considered a criteria air pollutant. $PM_{2.5}$: A similar air pollutant to PM_{10} consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include SO_4 formed from SO_2 release from power plants and industrial facilities and nitrates that are formed from NO_X release from power plants, automobiles and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. $PM_{2.5}$ is a criteria air pollutant.	organics). Incomplete combustion of any fuel. $PM_{2.5}$ comes from fuel combustion in motor vehicles, equipment and industrial sources, residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_X, SO_X, organics).	asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in lifespan, and an increased mortality from lung cancer. Daily fluctuations in $PM_{2.5}$ concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long term exposure to particulate matter. The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM_{10} and $PM_{2.5}$.
VOC	VOCs are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not	Organic chemicals are widely used as ingredients in household products. Paints, varnishes and wax all contain organic solvents, as do many cleaning, disinfecting, cosmetic, degreasing and hobby products.	Breathing VOCs can irritate the eyes, nose and throat, can cause difficulty breathing and nausea, and can damage the central nervous system as well as other organs. Some VOCs can cause cancer. Not all VOCs have all these health effects, though many have several.

Criteria Pollutant	Description	Sources	Health Effects
	form O_3 to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O_3, which is a criteria pollutant. The terms VOC and ROG (see below) interchangeably.	Fuels are made up of organic chemicals. All of these products can release organic compounds while you are using them, and, to some degree, when they are stored.	
ROG	Similar to VOC, ROGs are also precursors in forming O_3 and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and NO_X react in the presence of sunlight. ROGs are a criteria pollutant since they are a precursor to O_3, which is a criteria pollutant. The terms ROG and VOC (see previous) interchangeably.	Sources similar to VOCs.	Health effects similar to VOCs.
Lead (Pb)	Pb is a heavy metal that is highly persistent in the environment and is considered a criteria pollutant. In the past, the primary source of Pb in the air was emissions from vehicles burning leaded gasoline. The major sources of Pb emissions are ore and metals processing, particularly Pb smelters, and piston-engine aircraft operating on leaded aviation gasoline. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. It should be noted that the Project does not include	Metal smelters, resource recovery, leaded gasoline, deterioration of Pb paint.	Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure.

Criteria Pollutant	Description	Sources	Health Effects
	operational activities such as metal processing or Pb acid battery manufacturing. As such, the Project is not anticipated to generate a quantifiable amount of Pb emissions.		Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.
Odor	Odor means the perception experienced by a person when one or more chemical substances in the air come into contact with the human olfactory nerves (4).	Odors can come from many sources including animals, human activities, industry, natures, and vehicles.	Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.5 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-2 (5).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this AQIA, the most recent state and federal standards were updated by CARB on May 4, 2016 and are presented in Table 2-2. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, PM_{10}, and $PM_{2.5}$ do not exceed standards. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the State assigns attainment status. Attainment status for a pollutant means that the SCAQMD meets the standards set by the EPA or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, CARB has implemented a State Implementation Plan (SIP). The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the EPA will designate the area as a maintenance area (6).

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards						
Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		—		
Fine Particulate Matter (PM2.5)[9]	24 Hour	—	—	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	12.0 µg/m^3	15 µg/m^3	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		0.053 ppm (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[11]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[11]	—	
Lead[12,13]	30 Day Average	1.5 µg/m^3	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m^3 (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m^3		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

See footnotes on next page …

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TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (2 OF 2)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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2.6 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for six of the most common air pollutants: CO, Pb, O_3, particulate matter (PM_{10} and $PM_{2.5}$), NO_2, and SO_2 which are known as criteria pollutants. The SCAQMD monitors levels of various criteria pollutants at 37 permanent monitoring stations and 5 single-pollutant source Pb air monitoring sites throughout the air district (7). On February 21, 2019, CARB posted the 2018 amendments to the state and national area designations. See Table 2-3 for attainment designations for the SCAB (8). Appendix 2.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

TABLE 2-3: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB

Criteria Pollutant	State Designation	Federal Designation
O_3 – 1-hour standard	Nonattainment	--
O_3 – 8-hour standard	Nonattainment	Nonattainment
PM_{10}	Nonattainment	Attainment
$PM_{2.5}$	Nonattainment	Nonattainment
CO	Attainment	Unclassifiable/Attainment
NO_2	Attainment	Unclassifiable/Attainment
SO_2	Unclassifiable/Attainment	Unclassifiable/Attainment
Pb[1]	Attainment	Unclassifiable/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB
"-" = The national 1-hour O_3 standard was revoked effective June 15, 2005.

2.7 LOCAL AIR QUALITY

The SCAQMD has designated general forecast areas and air monitoring areas (referred to as Source Receptor Areas [SRA]) throughout the district in order to provide Southern California residents about the air quality conditions. The Project site is located within the Central San Bernardino Valley 2 area (SRA 34). The Central San Bernardino Valley 2 monitoring station is located approximately 5.3 miles northeast of the Project site and reports air quality statistics for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$.

The most recent three (3) years of data available is shown on Table 2-4 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Development Site. Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ for 2017 through 2019 was obtained from the SCAQMD Air Quality Data Tables (9). Additionally, data for SO_2 has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO_2 concentrations.

[1] The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

TABLE 2-4: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2017-2019

Pollutant	Standard	Year		
		2017	2018	2019
O_3				
Maximum Federal 1-Hour Concentration (ppm)		0.158	0.138	0.127
Maximum Federal 8-Hour Concentration (ppm)		0.136	0.116	0.114
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	81	63	63
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	112	102	96
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	2.5	2.7	1.3
Maximum Federal 8-Hour Concentration	> 20 ppm	2.3	2.5	1.1
NO_2				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.066	0.057	0.059
Annual Federal Standard Design Value		0.016	0.016	0.014
PM_{10}				
Maximum Federal 24-Hour Concentration (µg/m^3)	> 150 µg/m^3	86	129	112
Annual Federal Arithmetic Mean (µg/m^3)		30.9	30.2	29.9
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m^3	0	0	0
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m^3	35	25	36
$PM_{2.5}$				
Maximum Federal 24-Hour Concentration (µg/m^3)	> 35 µg/m^3	38.20	30.10	34.80
Annual Federal Arithmetic Mean (µg/m^3)	> 12 µg/m^3	11.43	11.17	10.06
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m^3	1	0	0

ppm = Parts Per Million
µg/m^3 = Microgram per Cubic Meter
Source: Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ was obtained from SCAQMD Air Quality Data Tables.

2.8 REGULATORY BACKGROUND

2.8.1 FEDERAL REGULATIONS

The EPA is responsible for setting and enforcing the NAAQS for O_3, CO, NO_X, SO_2, PM_{10}, and Pb (10). The EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (11). The CAA also mandates that states submit and implement SIPs for local areas not meeting these

standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (12) (13). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O_3, NO_2, SO_2, PM_{10}, CO, $PM_{2.5}$, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O_3 and to adopt a NAAQS for $PM_{2.5}$. Table 2-3 (previously presented) provides the NAAQS within the SCAB.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and NO_X. NO_X is a collective term that includes all forms of NO_X which are emitted as byproducts of the combustion process.

2.8.2 CALIFORNIA REGULATIONS

CARB

CARB, which became part of the CalEPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. AB 2595 mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for SO_4, visibility, hydrogen sulfide (H_2S), and vinyl chloride (C_2H_3Cl). However, at this time, H_2S and C_2H_3Cl are not measured at any monitoring stations in the SCAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (14) (10).

Local air quality management districts, such as the SCAQMD, regulate air emissions from stationary sources such as commercial and industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare Air Quality Management Plans (AQMP) that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;

- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a 5% or more annual reduction in emissions or 15% or more in a period of three years for ROGs, NO_X, CO and PM_{10}. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

TITLE 24 ENERGY EFFICIENCY STANDARDS AND CALIFORNIA GREEN BUILDING STANDARDS

CCR Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on January 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2019 California Green Building Code Standards that became effective January 1, 2020.

Local jurisdictions are permitted to adopt more stringent requirements, as state law provides methods for local enhancements. CALGreen recognizes that many jurisdictions have developed existing construction waste and demolition ordinances and defers to them as the ruling guidance provided they establish a minimum 65% diversion requirement.

The code also provides exemptions for areas not served by construction waste and demolition recycling infrastructure. The State Building Code provides the minimum standard that buildings must meet in order to be certified for occupancy, which is generally enforced by the local building official.

Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas (GHG) emissions. The 2019 version of Title 24 was adopted by the CEC and became effective on January 1, 2020.

The 2019 Title 24 standards will result in less energy use, thereby reducing air pollutant emissions associated with energy consumption in the SCAB and across the State of California. For example, the 2019 Title 24 standards require solar photovoltaic systems for new homes, establish requirements for newly constructed healthcare facilities, encourage demand responsive technologies for residential buildings, and update indoor and outdoor lighting requirements for nonresidential buildings.

The CEC anticipates that single-family homes built with the 2019 standards will use approximately 7% less energy compared to the residential homes built under the 2016 standards. Additionally, after implementation of solar photovoltaic systems, homes built under the 2019 standards will use about 53% less energy than homes built under the 2016 standards. Nonresidential buildings

(such as the Project) will use approximately 30% less energy due to lighting upgrade requirements (18).

Because the Project will be constructed after January 1, 2019, the 2019 CALGreen standards are applicable to the Project and require, among other items (19):

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- Designated parking for clean air vehicles. In new projects or additions to alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2 (5.106.5.2).
- Electric vehicle (EV) charging stations. New construction shall facilitate the future installation of EV supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106. 5.3.3 (5.106.5.3).
- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, uplight and glare ratings per Table 5.106.8 (5.106.8)
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1. 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).
- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
    - Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
    - Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor- mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
    - Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).

- Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).

- Outdoor portable water use in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is project to consume more than 1,000 gallons per day (5.303.1.1 and 5.303.1.2).
- Outdoor water use in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).
- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements (5.410.2).

2.8.3 AQMP

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards (15). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.12.

2.9 REGIONAL AIR QUALITY IMPROVEMENT

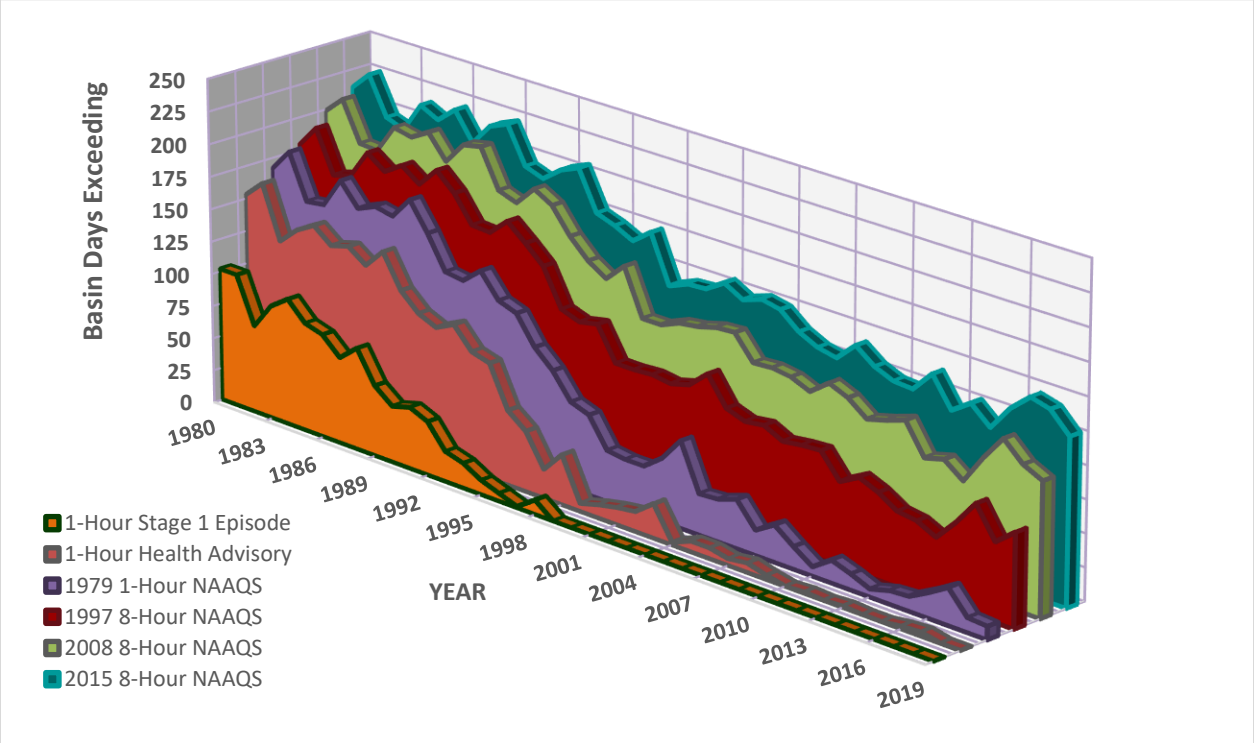
The Project is within the jurisdiction of the SCAQMD. In 1976, California adopted the Lewis Air Quality Management Act which created SCAQMD from a voluntary association of air pollution control districts in Los Angeles, Orange, Riverside, and San Bernardino counties. The geographic area of which SCAQMD consists is known as the SCAB. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably available control measures.

SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in SCAB air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout the SCAB. Industrial emission sources have been significantly reduced by this approach and vehicular emissions have been reduced by technologies implemented at the state level by CARB.

As discussed above, the SCAQMD is the lead agency charged with regulating air quality emission reductions for the entire SCAB. SCAQMD created AQMPs which represent a regional blueprint for achieving healthful air on behalf of the 16 million residents of the SCAB. The 2012 AQMP states, "the remarkable historical improvement in air quality since the 1970's is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs," (16).

Emissions of O_3, NO_X, VOC, and CO have been decreasing in the SCAB since 1975 and are projected to continue to decrease through 2020 (17). These decreases result primarily from motor vehicle controls and reductions in evaporative emissions. Although VMT in the SCAB continue to increase, NO_X and VOC levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_X emissions from electric utilities have also decreased due to use of cleaner fuels and renewable energy. O_3 contour maps show that the number of days exceeding the 8-hour NAAQS has generally decreased between 1980 and 2019. For 2019, there was an overall decrease in exceedance days compared with the 1980 period. However, as shown on Table 2-5, O_3 levels have increased in the past three years due to higher temperatures and stagnant weather conditions. Notwithstanding, O_3 levels in the SCAB have decreased substantially over the last 30 years with the current maximum measured concentrations being approximately one-third of concentrations within the late 70's (18).

TABLE 2-5: SCAB O_3 TREND

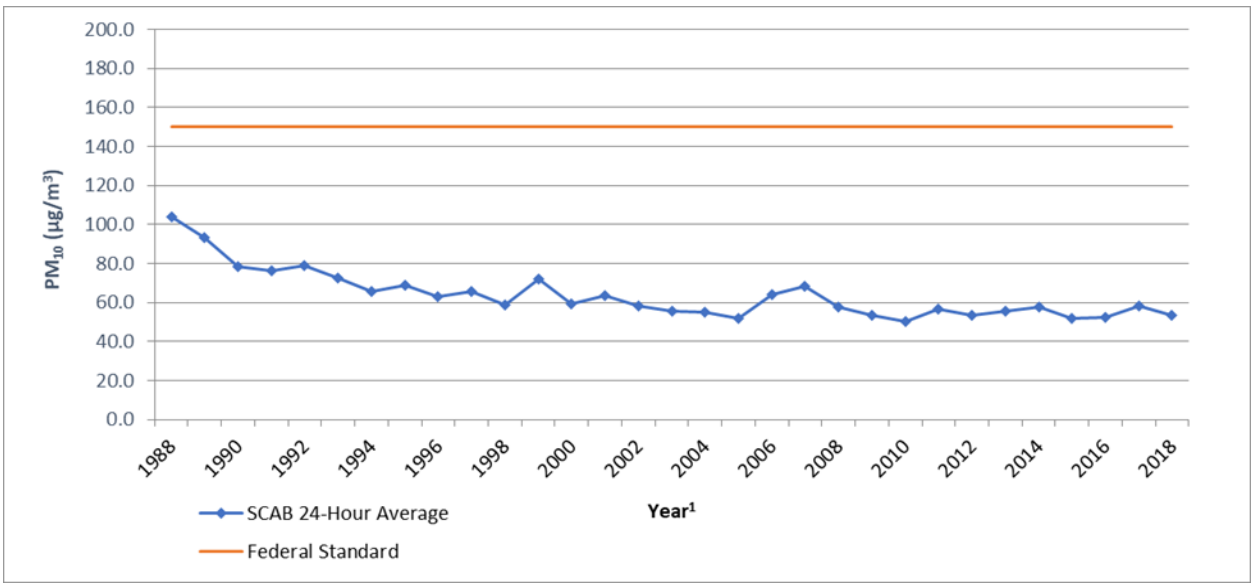


Source: 2020 SCAQMD, Historical O_3 Air Quality Trends (1976-2018)

The overall trends of PM_{10} and $PM_{2.5}$ levels in the air (not emissions) show an overall improvement since 1975. Direct emissions of PM_{10} have remained somewhat constant in the SCAB and direct emissions of $PM_{2.5}$ have decreased slightly since 1975. Area wide sources (fugitive dust from roads, dust from construction, and other sources) contribute the greatest amount of direct particulate matter emissions.

As with other pollutants, the most recent PM_{10} statistics show an overall improvement as illustrated in Tables 2-6 and 2-7. During the period for which data are available, the 24-hour national annual average concentration for PM_{10} decreased by approximately 48%, from 103.7 microgram per cubic meter (µg/m³) in 1988 to 53.5 µg/m³ in 2018 (19). Although the values are below the federal standard, it should be noted that there are days within the year where the concentrations will exceed the threshold. The 24-hour state annual average for emissions for PM_{10}, have decreased by approximately 53% since 1988 (19). Although data in the late 1990's show some variability, this is probably due to the advances in meteorological science rather than a change in emissions. Similar to the ambient concentrations, the calculated number of days above the 24-hour PM_{10} standards has also shown an overall drop.

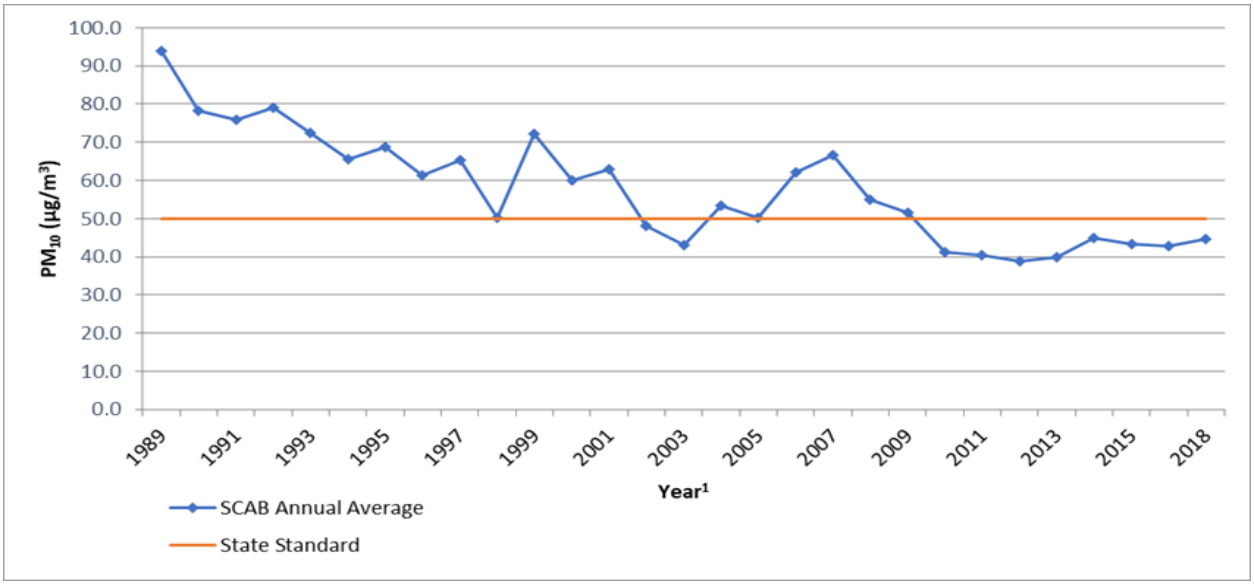
TABLE 2-6: SCAB AVERAGE 24-HOUR CONCENTRATION PM_{10} TREND (BASED ON FEDERAL STANDARD)[1]



Source: 2020 CARB, iADAM: Top Four Summary: PM_{10} 24-Hour Averages (1988-2018)

[1] Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

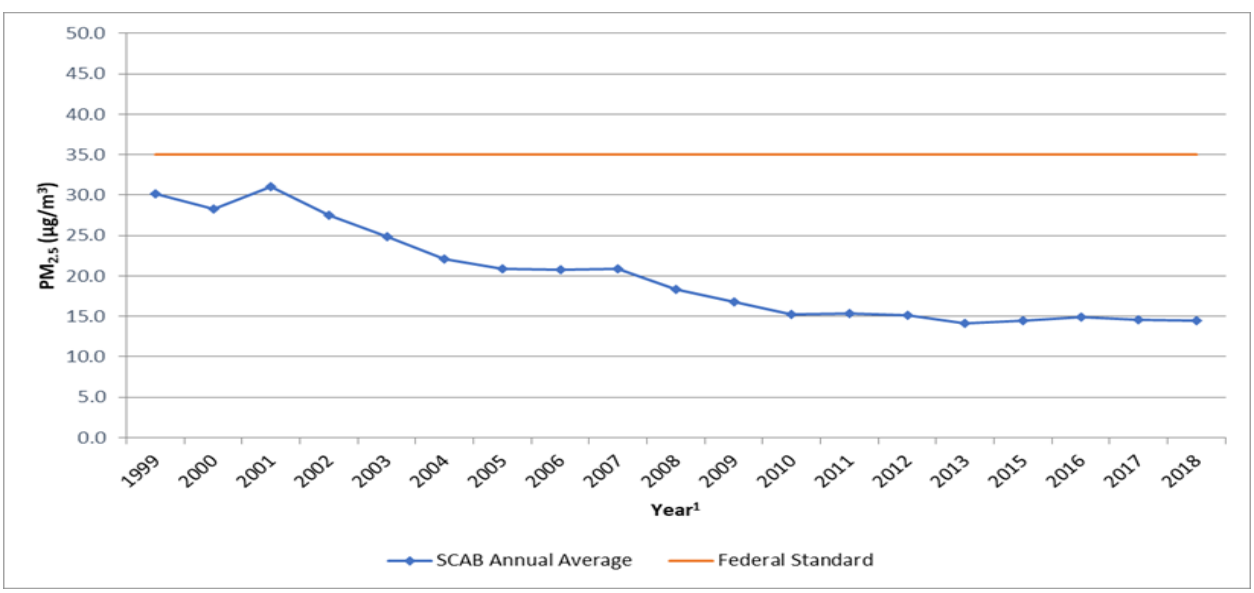
TABLE 2-7: SCAB ANNUAL AVERAGE CONCENTRATION PM_{10} TREND (BASED ON STATE STANDARD)[1]



Source: 2020 CARB, iADAM: Top Four Summary: PM_{10} 24-Hour Averages (1988-2018)
[1] Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

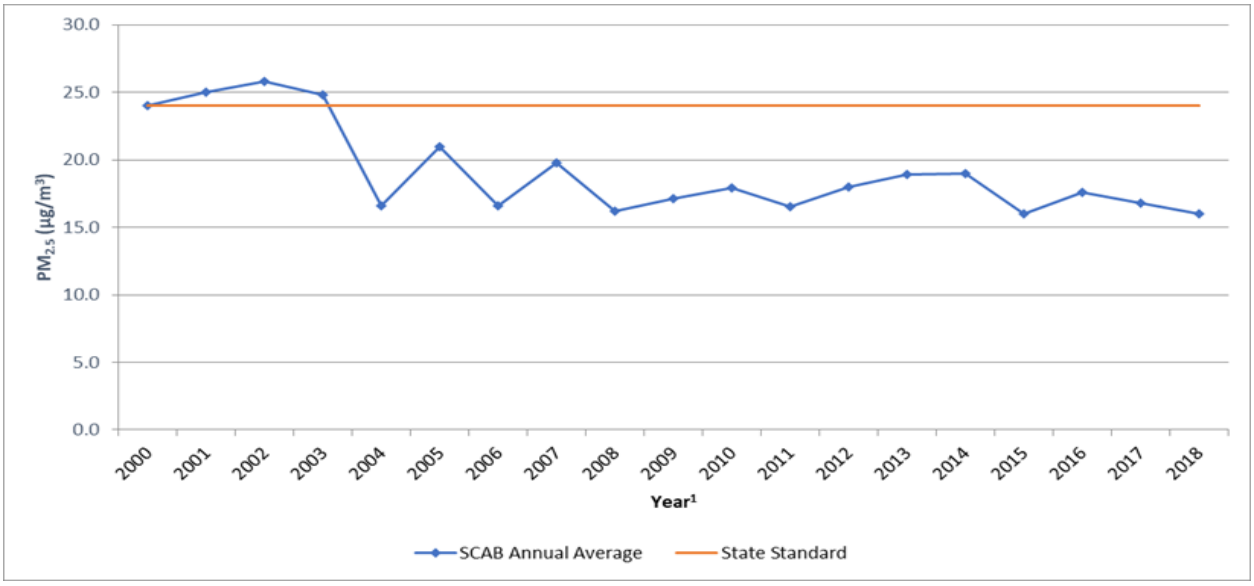
Tables 2-8 and 2-9 shows the most recent 24-hour average $PM_{2.5}$ concentrations in the SCAB from 1999 through 2018. Overall, the national and state annual average concentrations have decreased by almost 52% and 33% respectively (19). It should be noted that the SCAB is currently designated as nonattainment for the state and federal $PM_{2.5}$ standards.

TABLE 2-8: SCAB 24-HOUR AVERAGE CONCENTRATION $PM_{2.5}$ TREND (BASED ON FEDERAL STANDARD)[1]



Source: 2020 CARB, iADAM: Top Four Summary: $PM_{2.5}$ 24-Hour Averages (1999-2018)
[1] Some year have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

TABLE 2-9: SCAB ANNUAL AVERAGE CONCENTRATION $PM_{2.5}$ TREND (BASED ON STATE STANDARD)[1]



Source: 2020 CARB, iADAM: Top Four Summary: $PM_{2.5}$ 24-Hour Averages (1999-2018)

[1] Some year have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

While the 2012 AQMP PM_{10} attainment demonstration and the 2015 associated supplemental SIP submission indicated that attainment of the 24-hour standard was predicted to occur by the end of 2015, it could not anticipate the effect of the ongoing drought on the measured $PM_{2.5}$.

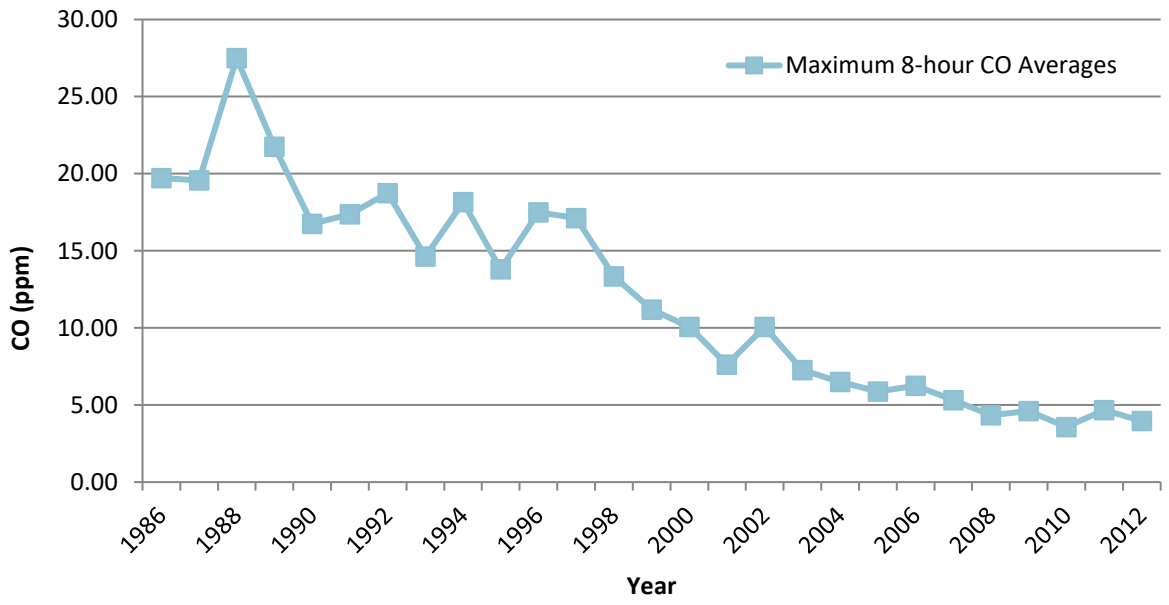
The 2006 to 2010 base period used for the 2012 attainment demonstration had near-normal rainfall. While the trend of $PM_{2.5}$-equivalent emission reductions continued through 2015, the severe drought conditions contributed to the $PM_{2.5}$ increases observed after 2012. As a result of the disrupted progress toward attainment of the federal 24-hour $PM_{2.5}$ standard, SCAQMD submitted a request and the EPA approved, in January 2016, a "bump up" to the nonattainment classification from "moderate" to "serious," with a new attainment deadline as soon as practicable, but not beyond December 31, 2019. As of March 14, 2019, the EPA approved portions of a SIP revision submitted by California to address CAA requirements for the 2006 24-hour $PM_{2.5}$ NAAQS in the Los Angeles-SCAB Serious $PM_{2.5}$ nonattainment area. The EPA also approved 2017 and 2019 motor vehicle emissions budgets for transportation conformity purposes and inter-pollutant trading ratios for use in transportation conformity analyses (20).

In March 2017, the SCAQMD released the Final 2016 AQMP. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (21). Similar to the 2012 AQMP, the 2016 AQMP incorporates scientific and technological information and planning assumptions, including the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016-2040 RTP/SCS) and updated emission inventory methodologies for various source categories (15).

The 2022 AQMP is currently being developed by SCAQMD to address the EPA's strengthened ozone standard. Development of the 2022 AQMP is in its early stages and no formal timeline for completion and adoption is currently known.

The most recent CO concentrations in the SCAB are shown in Table 2-10 (19). CO concentrations in the SCAB have decreased markedly — a total decrease of more about 80% in the peak 8-hour concentration from 1986 to 2012. It should be noted 2012 is the most recent year where 8-hour CO averages and related statistics are available in the SCAB. The number of exceedance days has also declined. The entire SCAB is now designated as attainment for both the state and national CO standards. Ongoing reductions from motor vehicle control programs should continue the downward trend in ambient CO concentrations.

TABLE 2-10: SCAB 8-HOUR AVERAGE CONCENTRATION CO TREND[1]



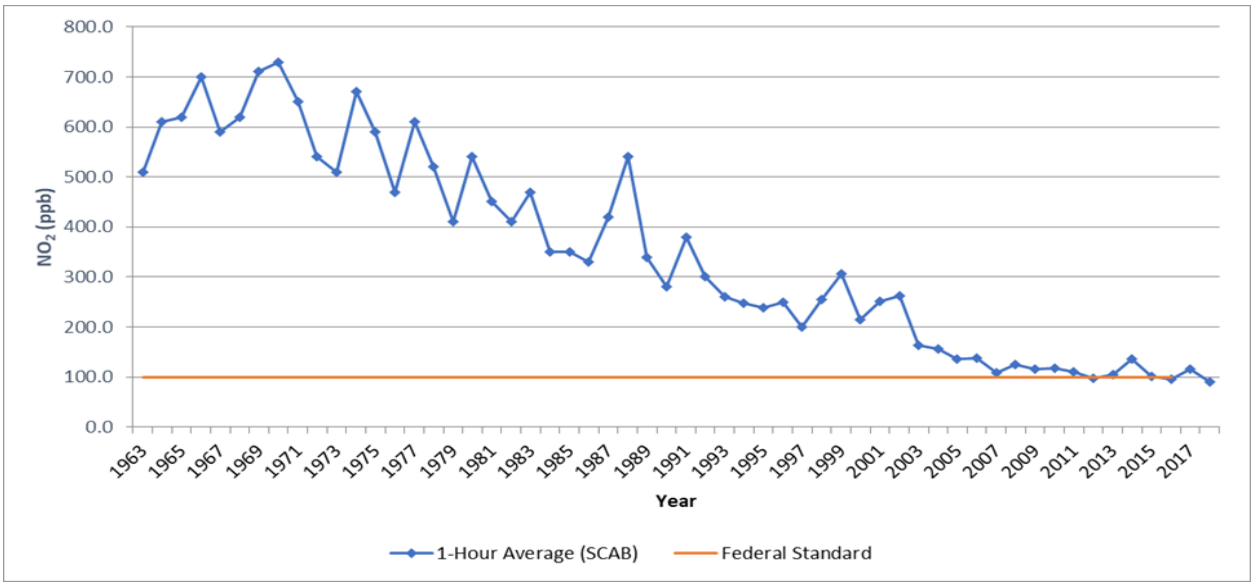
Source: 2020 CARB, iADAM: Top Four Summary: CO 8-Hour Averages (1999-2018)
[1] The most recent year where 8-hour concentration data is available is 2012.

Part of the control process of the SCAQMD's duty to greatly improve the air quality in the SCAB is the uniform CEQA review procedures required by SCAQMD's *CEQA Air Quality Handbook (1993)* (*1993 CEQA Handbook*) (22). The single threshold of significance used to assess Project direct and cumulative impacts has in fact "worked" as evidenced by the track record of the air quality in the SCAB dramatically improving over the course of the past decades. As stated by the SCAQMD, the District's thresholds of significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

The most recent NO_2 data for the SCAB is shown in Tables 2-11 and 2-12 (19). Over the last 50 years, NO_2 values have decreased significantly; the peak 1-hour national and state averages for 2018 is approximately 82% lower than what it was during 1963. The SCAB attained the State 1-hour NO_2 standard in 1994, bringing the entire state into attainment. A new state annual average

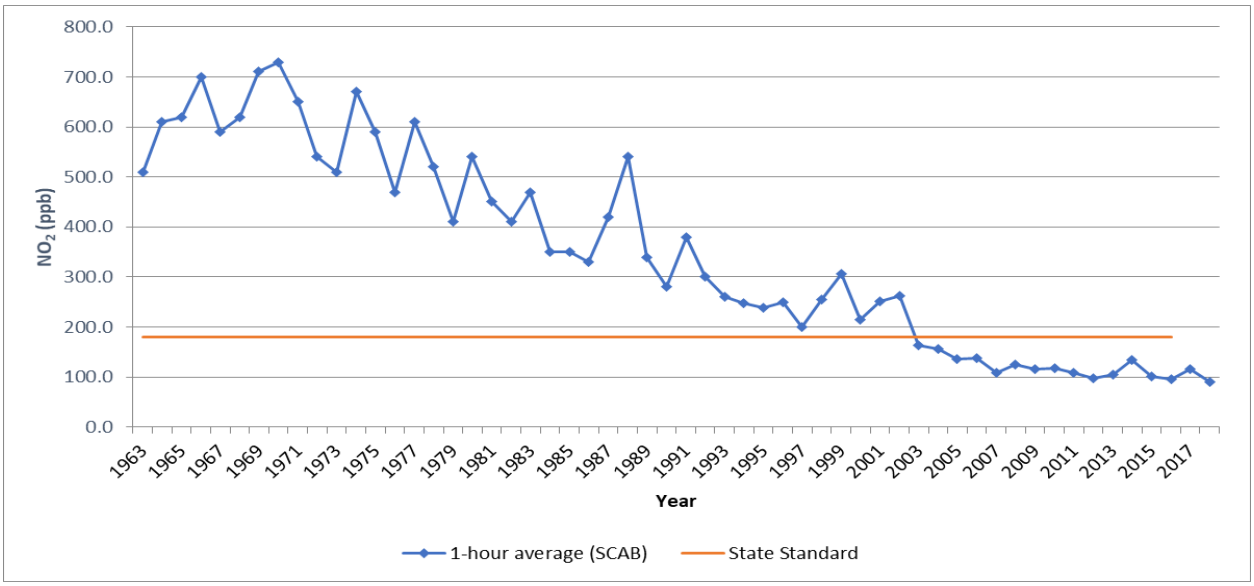
standard of 0.030 ppm was adopted by CARB in February 2007 (23). The new standard is just barely exceeded in the SCAQMD. NO_2 is formed from NO_X emissions, which also contribute to O_3. As a result, the majority of the future emission control measures will be implemented as part of the overall O_3 control strategy. Many of these control measures will target mobile sources, which account for more than three-quarters of California's NO_X emissions. These measures are expected to bring the SCAQMD into attainment of the state annual average standard.

TABLE 2-11: SCAB 1-HOUR AVERAGE CONCENTRATION NO_2 TREND (BASED ON FEDERAL STANDARD)



Source: 2020 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2018)

TABLE 2-12: SCAB 1-HOUR AVERAGE CONCENTRATION NO_2 TREND (BASED ON STATE STANDARD)



Source: 2020 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2018)

2.9.1 TOXIC AIR CONTAMINANTS (TAC) TRENDS

In 1984, as a result of public concern for exposure to airborne carcinogens, CARB adopted regulations to reduce the amount of TAC emissions resulting from mobile and area sources, such as cars, trucks, stationary products, and consumer products. According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article (24) which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (between 1990 and 2012). The seven TACs studied include those that are derived from mobile sources: diesel particulate matter (DPM), benzene (C_6H_6), and 1,3-butadiene (C_4H_6); those that are derived from stationary sources: perchloroethylene (C_2Cl_4) and hexavalent chromium (Cr(VI)); and those derived from photochemical reactions of emitted VOCs: formaldehyde (CH_2O) and acetaldehyde (C_2H_4O)[2]. The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

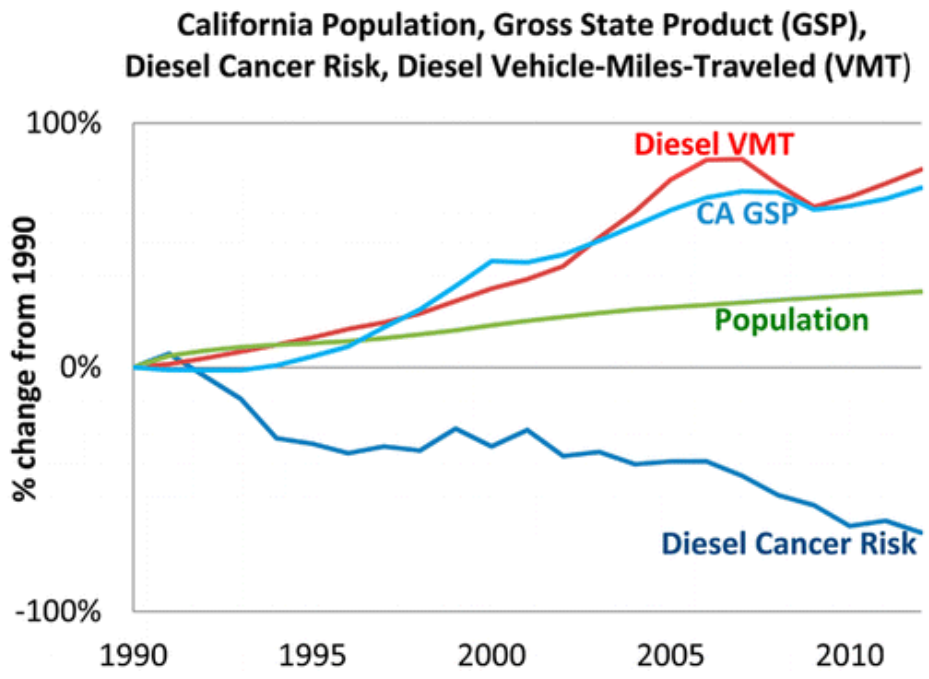
MOBILE SOURCE TACS

CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. In California, light-duty vehicles sold after 1996 are equipped with California's second-generation On-Board Diagnostic (OBD-II) system. The OBD-II system monitors virtually every component that can affect the emission performance of the vehicle to ensure that the vehicle remains as clean as possible over its entire life and assists repair technicians in diagnosing and fixing problems with the computerized engine controls. If a problem is detected, the OBD-II system illuminates a warning lamp on the vehicle instrument panel to alert the driver. This warning lamp typically contains the phrase "Check Engine" or "Service Engine Soon". The system will also store important information about the detected malfunction so that a repair technician can accurately find and fix the problem. CARB has recently developed similar OBD requirements for heavy-duty vehicles over 14,000 pounds (lbs). CARB's phase II Reformulated Gasoline Regulation (RFG-2), adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the use of reformulated gasoline and motor vehicle regulations (24).

In 2000, CARB's Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15 ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68% since 2000, even though the state's population increased 31% and the amount of diesel vehicles miles traveled increased 81%, as shown on Exhibit 2-B. With the implementation of these diesel-related control regulations, CARB expects a DPM decline of 71% for 2000-2020.

[2] It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND



Source: 2020 CARB

DIESEL REGULATIONS

CARB and the Ports of Los Angeles and Long Beach (POLA and POLB) have adopted several iterations of regulations for diesel trucks that are aimed at reducing DPM. More specifically, CARB Drayage Truck Regulation (25), CARB statewide On-road Truck and Bus Regulation (26), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of "clean trucks" into the statewide truck fleet (27). In other words, older more polluting trucks will be replaced with newer, cleaner trucks as a function of these regulatory requirements.

Moreover, the average statewide DPM emissions for Heavy Duty Trucks (HDT), in terms of grams of DPM generated per mile traveled, will dramatically be reduced due to the aforementioned regulatory requirements.

Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

CANCER RISK TRENDS

Based on information available from CARB, overall cancer risk throughout the SCAB has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, CARB identified particulate matter from diesel-fueled engines as a toxic air contaminant. The SCAQMD initiated a comprehensive urban toxic air pollution study called the Multiple Air Toxics Exposure Study (MATES). DPM accounts for more than 70% of the cancer risk.

MATES-IV study represents the baseline health risk for a cumulative analysis. MATES-IV calculated cancer risks based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-IV has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. The Project is located within a quadrant of the geographic grid of the MATES-IV model which predicted a cancer risks of 919.41 in one million for the area containing the Project site. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68% of the total risk shown in MATES-IV. Cumulative Project generated TACs are limited to DPM.

In January 2018, as part of the overall effort to reduce air toxics exposure in the SCAB, SCAQMD began conducting the MATES V Program. MATES V field measurements were conducted at ten fixed sites (the same sites selected for MATES III and IV) to assess trends in air toxics levels. MATES V also included measurements of ultrafine particles (UFP) and black carbon (BC) concentrations, which can be compared to the UFP levels measured in MATES IV (28). The final report for the MATES V study was expected to be available in Fall 2019, however it is not yet available and no definitive date for its release has been provided by SCAQMD.

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3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

This study quantifies air quality emissions generated by construction and operation of the Project and addresses whether the Project conflicts with implementation of the SCAQMD's AQMP and Lead Agency planning regulations. The analysis of Project-generated air emissions determines whether the Project would result in a cumulatively considerable net increase of any criteria pollutant for which the SCAB is in non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine whether the Project would expose sensitive receptors to substantial pollutant concentrations and the impacts of odors. The significance of these potential impacts is described in the following sections.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *CEQA Guidelines* (14 CCR §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (29):

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

The SCAQMD has also developed regional significance thresholds for other regulated pollutants, as summarized at Table 3-1 (30). The SCAQMD's *CEQA Air Quality Significance Thresholds* (April 2019) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 3-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

Pollutant	Regional Construction Threshold (lbs/day)	Regional Operational Thresholds (lbs/day)
NO_X	100	55
VOC	75	55
PM_{10}	150	150
$PM_{2.5}$	55	55
SO_X	150	150
CO	550	550
Pb	3	3

lbs/day = Pounds Per Day

3.3 GENERAL PLAN UPDATE EIR EMISSIONS

The *GPU EIR* identified that buildout of the City would result in a significant and unavoidable impact for air quality. More specifically, the *GPU EIR* identified that emissions resulting from VOCs, NOx, CO, PM10, and PM2.5 would exceed the applicable SCAQMD numeric regional thresholds.

Tables 3-2 summarizes the operational-source emissions associated with buildout of the *GPU EIR* (31).

TABLE 3-2: *GPU EIR* OPERATIONAL EMISSIONS

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Area Source	1,062.74	30.78	2,173.71	4.17	276.74	276.68
Energy Source	13.35	118.52	80.95	0.73	9.23	9.23
Mobile Source	1,891.82	5,078.05	18,488.95	26.52	3,025.82	28.85
Total Maximum Daily Emissions	**2,967.91**	**5,227.35**	**20,743.61**	**31.42**	**3,311.79**	**571.86**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**YES**	**YES**	**YES**	**NO**	**YES**	**YES**
Winter						
Area Source	1,062.74	30.78	2,173.71	4.17	276.74	276.68
Energy Source	13.35	118.52	80.95	0.73	9.23	9.23
Mobile Source	1,888.01	5,360.72	17,239.84	24.04	3,028.56	288.59
Total Maximum Daily Emissions	**2,964.10**	**5,510.02**	**19,494.50**	**28.94**	**3,314.53**	**574.50**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**YES**	**YES**	**YES**	**NO**	**YES**	**YES**

3.4 ALLOWABLE WAREHOUSE LAND USE EMISSIONS FOR THE SUBJECT SITE

Operational emissions for the subject site were evaluated based on the land use designation studied in the *GPU EIR* in order to estimate the emissions that could occur based on the existing land use designation allowed under the *GPU EIR*. The existing land use designation for the Project site is Heavy Industrial which may include heavy manufacturing, distribution, assembly, resource mining, storage, and similar land uses not normally compatible near residential development due to environmental nuisances such as noise and air pollution. Table 3-3 summarizes the operational-source emissions associated with the allowable land use that could be developed under the *GPU EIR* (e.g., Warehousing as evaluated in the *Traffic Analysis*). The emissions summarized in Table 3-3 effectively are a subset of the emissions summarized on Table 3-2 and represent development that is allowed to occur at the Project site, consistent with the current

land use designation. As shown on Table 3-3, development of the Project site, consistent with the current land used designation, would result in an exceedance of NOx emissions, consistent with what was disclosed in the *GPU EIR*.

TABLE 3-3: ALLOWABLE WAREHOUSE LAND USE OPERATIONAL EMISSIONS

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Area Source	29.30	0.00	0.39	0.00	0.00	0.00
Energy Source	0.05	0.49	0.41	0.00	0.04	0.04
Mobile Source	9.50	146.77	92.72	0.75	37.89	11.44
TRUs	1.20	10.19	15.28	0.00	0.14	0.13
On-Site Equipment Source	0.61	6.34	3.79	0.02	0.22	0.20
Total Maximum Daily Emissions	**40.66**	**163.79**	**112.61**	**0.77**	**38.29**	**11.81**
SCAQMD Regional Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Threshold Exceeded?	**NO**	**YES**	**NO**	**NO**	**NO**	**NO**
Winter						
Area Source	29.30	0.00	0.39	0.00	0.00	0.00
Energy Source	0.05	0.49	0.41	0.00	0.04	0.04
Mobile Source	8.86	150.24	74.30	0.74	37.80	11.41
TRUs	1.20	10.19	15.28	0.00	0.14	0.13
On-Site Equipment Source	0.61	6.34	3.79	0.02	0.22	0.20
Total Maximum Daily Emissions	**40.03**	**167.26**	**94.19**	**0.76**	**38.20**	**11.78**
SCAQMD Regional Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Threshold Exceeded?	**NO**	**YES**	**NO**	**NO**	**NO**	**NO**

3.5 MODELS EMPLOYED TO ANALYZE AIR QUALITY

3.5.1 CALEEMOD

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

On October 17, 2017, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the CalEEMod Version 2016.3.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from MMs (32). Accordingly, the latest version of CalEEMod has been used for this Project to

determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 3.1 through 3.3.

3.5.2 EMISSION FACTORS MODEL

On August 19, 2019, the EPA approved the 2017 version of the EMissions FACtor model (EMFAC) web database for use in SIP and transportation conformity analyses. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, and VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources (33). This AQIA utilizes summer, winter, and annual EMFAC2017 emission factors in order to derive vehicle emissions associated with Project operational activities, which vary by season.

Because the EMFAC2017 emission rates are associated with vehicle fuel types while CalEEMod vehicle emission factors are aggregated to include all fuel types for each individual vehicle class, the EMFAC2017 emission rates for different fuel types of a vehicle class are averaged by activity or by population and activity to derive CalEEMod emission factors. The equations applied to obtain CalEEMod vehicle emission factors for each emission type are detailed in CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* (34). EMFAC2017 emission rates utilized in this analysis can be found in Appendix 3.4 of this report.

3.6 CONSTRUCTION EMISSIONS

3.6.1 CONSTRUCTION ACTIVITIES

Construction activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Construction related emissions are expected from the following construction activities:

- Fine Grading/Site Preparation
- Building Construction/Concrete Pours
- Architectural Coating

FINE GRADING ACTIVITIES

Dust is typically a major concern during fine grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called "fugitive emissions". Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. The Project would require 48,973 cubic yards of cut and 49,000 cubic yards of fill. As such, the Project is anticipated to require 57 cubic yards of import. Each truck can hold 16 cubic yards. For purposes of analysis, grading activities would generate up to 4 hauling trips (8 two-way haul trips).

CONCRETE POURS ACTIVITIES

The Project would require approximately 69,000 cubic yards of concrete for concrete pours activities. Each truck can hold 10 cubic yards. For purposes of analysis, concrete pours activities would generate up to 6,900 haul loads (13,800 two-way haul trips).

ON-ROAD TRIPS

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of workers, hauling, and vendor trips are presented below in Table 3-4. It should be noted that for Vendor Trips, specifically, CalEEMod only assigns Vendor Trips to the Building Construction phase. Vendor trips would likely occur during all phases of construction. It should be noted that as architectural coating activities overlap with building construction/concrete pours, the vendor trips assigned to building construction/concrete pours activities are assumed the same trips used to cover architectural coating. As such, the CalEEMod defaults for Vendor Trips have been adjusted based on a ratio of the total vendor trips to the number of days of each subphase of activity.

TABLE 3-4: CONSTRUCTION TRIP ASSUMPTIONS

Phase Name	Worker Trips Per Day	Vendor Trips Per Day	Total Hauling Trips
Fine Grading/Site Preparation	25	74	8
Building Construction/Concrete Pours	1,079	347	13,800
Architectural Coating	216	0	0

3.6.2 CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in August 2021 and be completed in December 2022. The construction schedule utilized in the analysis, shown in Table 3-5, represents a "worst-case" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent[3]. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (29).

TABLE 3-5: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Fine Grading/Site Preparation	08/28/2021	11/19/2021	60
Building Construction/Concrete Pours	11/20/2021	12/16/2022	280
Architectural Coating	05/21/2022	12/16/2022	150

[3] As shown in the CalEEMod User's Guide Version 2016.3.2, Section 4.3 "OFFROAD Equipment" as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

3.6.3 CONSTRUCTION EQUIPMENT

A summary of construction equipment by phase is provided at Table 3-6. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-6 will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City of Colton Municipal Code.

TABLE 3-6: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Phase Name	Equipment	Amount	Hours Per Day
Fine Grading/Site Preparation	Crawler Tractors	6	8
	Rubber Tired Dozers	4	8
Building Construction/Concrete Pours	Cranes	2	8
	Crawler Tractors	6	8
	Forklifts	6	8
	Generator Sets	2	8
	Welders	2	8
Architectural Coating	Air Compressors	1	8

3.6.4 CONSTRUCTION EMISSIONS SUMMARY

The estimated maximum daily construction emissions are summarized on Table 3-7. Detailed construction model outputs are presented in Appendix 3.1. As shown on Table 3-7, the Project would not exceed the applicable regional emissions thresholds during construction activity.

TABLE 3-7: OVERALL CONSTRUCTION EMISSIONS SUMMARY

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2021	8.82	90.51	102.01	0.34	22.79	7.61
2022	61.82	89.93	108.50	0.36	19.97	7.06
Winter						
2021	8.90	90.37	95.29	0.32	22.79	7.61
2022	61.91	89.76	100.84	0.34	19.98	7.06
Maximum Daily Emissions	**61.91**	**90.51**	**108.50**	**0.36**	**22.79**	**7.61**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

3.7 OPERATIONAL EMISSIONS

Operational activities associated with the Project will result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Operational emissions are expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- On-Site Cargo Handling Equipment Emissions
- TRU Emissions

3.7.1 AREA SOURCE EMISSIONS

ARCHITECTURAL COATINGS

Over a period of time the buildings that are part of this Project will require maintenance and will therefore produce emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings. The emissions associated with architectural coatings were calculated using CalEEMod.

CONSUMER PRODUCTS

Consumer products include, but are not limited to detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form ozone and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within CalEEMod.

LANDSCAPE MAINTENANCE EQUIPMENT

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shedders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod.

3.7.2 ENERGY SOURCE EMISSIONS

COMBUSTION EMISSIONS ASSOCIATED WITH NATURAL GAS AND ELECTRICITY

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity are generally excluded from the evaluation of significance and only natural gas use is considered. The emissions associated with natural gas use were calculated using CalEEMod.

3.7.3 MOBILE SOURCE EMISSIONS

The Project related operational air quality emissions derive primarily from vehicle trips generated by the Project, including employee trips to and from the site and truck trips associated with the proposed uses. Trip characteristics available from the *Agua Mansa Commerce Center Traffic Analysis* (TA) were utilized in this analysis (35).

APPROACH FOR ANALYSIS OF THE PROJECT

To determine emissions from passenger car vehicles, the CalEEMod defaults were utilized for trip length and trip purpose for the proposed industrial land uses.

For the proposed industrial uses, it is important to note that although the TA does not break down passenger cars by type, this analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1[4] & LDT2[5]), Medium-Duty-Vehicles (MDV), Motorcycles (MCY) vehicle types. To account for emissions generated by passenger cars, the following fleet mix was utilized in this analysis:

TABLE 3-8A: PASSENGER CAR FLEET MIX

Building	Land Use	Vehicle Type	%
Building 1	High-Cube Cold Automated Freezer/Storage Warehouse	LDA	62.01
		LDT1	4.08
		LDT2	20.21
		MDV	13.04
		MCY	0.66
Building 2	High-Cube Automated Freezer/Cold Storage Warehouse/ High-Cube Fulfillment Center Warehouse	LDA	62.01
		LDT1	4.08
		LDT2	20.21
		MDV	13.04
		MCY	0.66

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, MDV, MCY vehicle types.

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length of 40 miles[6] and an assumption of 100% primary trips for the proposed industrial land uses.

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

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

[6] The average trip length for heavy trucks were based on the SCAQMD documents for the implementation of the Facility-Based Mobile Source Measures (FBMSMs) adopted in the 2016 AQMP. SCAQMD's "Preliminary Warehouse Emission Calculations" cites 39.9-mile trip length for heavy-heavy trucks (41). As a conservative measure, a trip length of 40 miles has been utilized for all trucks for the purpose of this analysis (39)

In order to be consistent with the TA, trucks are broken down by truck type. The truck fleet mix is estimated by rationing the trip rates for each truck type based on information provided in the TA. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1[7] & LHDT2 [8])/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 3-8B: TRUCK FLEET MIX

Building	Land Use	Vehicle Type	%
Building 1	High-Cube Automated Freezer/Cold Storage Warehouse	LHDT1	26.38
		LHDT2	8.32
		MHDT	11.18
		HHDT	54.12
Building 2	High-Cube Automated Freezer/Cold Storage Warehouse	LHDT1	26.51
		LHDT2	8.37
		MHDT	11.63
		HHDT	53.49
	High-Cube Fulfillment Center Warehouse	LHDT1	8.06
		LHDT2	2.54
		MHDT	10.61
		HHDT	78.79

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

It should be noted that the TA identifies two different truck categories for the high-cube fulfillment center warehouse use, 2-4-axle and 5+-axle trucks. CalEEMod categorizes trucks by truck type, not by axle-type. In order to account for emissions from LHDT, MHDT, and HHDT trucks, the analysis herein assumed that 25% of the 2-4 axle trucks are LHDT, 25% are MHDT, and the remaining 50% are HHDT.

FUGITIVE DUST RELATED TO VEHICULAR TRAVEL

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of break and tire wear particulates. The emissions estimate for travel on paved roads were calculated using CalEEMod.

[7] Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

[8] Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

3.7.4 ON-SITE CARGO HANDLING EQUIPMENT EMISSIONS

It is common for industrial warehouse buildings to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. For purposes of analysis, it is assumed that the Project would require on-site operational equipment of up to four (4) 200 horsepower (hp), compressed natural gas or gasoline-powered tractors/loaders/backhoes operating at 4 hours a day for 365 days of the year.

3.7.5 TRU EMISSIONS

Because the Project proposes refrigerated uses, trucks associated with the High-Cube Automated Freezer/Cold Storage Warehouse land use are assumed to have Transport Refrigeration Units (TRUs). Therefore, for modeling purposes this analysis assumes that 57 LHDT1 and LHDT2 vehicles are instate genset TRUs and 139 MHDT and HHDT vehicles are instate trailer TRUs. TRUs are also accounted for during on-site and off-site travel. The TRU calculations are based on the 2017 Off-road Emissions model, version 1.0.1 (Orion), developed by the CARB. Orion does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operation.

3.7.6 OPERATIONAL EMISSIONS SUMMARY

As previously stated, CalEEMod utilizes summer and winter EMFAC2017 emission factors in order to derive vehicle emissions associated with Project operational activities, which vary by season. As such, operational activities for summer and winter scenarios are presented in Table 3-9. Detailed operational model outputs are presented in Appendix 3.2. As indicated in Table 3-9, the Project would exceed regional thresholds of significance established by the SCAQMD for emissions of NO_X. However, the NO_X exceedance was already disclosed in the *GPU EIR* (31) as shown on Table 3-2 (previously presented). Additionally, the Project's operational emissions have been compared to the emissions that would otherwise occur under the allowable land use designation from the *GPU EIR* as previously disclosed on Table 3-3.

As shown in Table 3-10, the proposed Project is anticipated to generate fewer emissions per day for pollutants of VOC, NO_X, SO_X, PM_{10}, and $PM_{2.5}$ (with the exception of CO, although CO emissions do not exceed any of the applicable thresholds) when compared to the emissions generated by allowable warehouse land use assumed for the Project site by the *GPU EIR*. As such, the operational impacts associated with the proposed Project would be less than what was disclosed in the *GPU EIR,* and no new impacts beyond those already disclosed in the *GPU EIR* would occur.

TABLE 3-9: SUMMARY OF PEAK OPERATIONAL EMISSIONS

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Area Source	21.09	3.25E-03	0.36	4.00E-05	1.27E-03	1.27E-03
Energy Source	0.19	1.69	1.42	0.01	0.13	0.13
Mobile Source	8.43	129.62	82.87	0.65	33.27	9.96
TRUs	2.94	25.98	38.41	5.89E-03	0.33	0.30
On-Site Equipment Source	0.49	5.07	3.03	0.01	0.18	0.16
Total Maximum Daily Emissions	**33.14**	**162.36**	**126.09**	**0.68**	**33.91**	**10.56**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**YES**	**NO**	**NO**	**NO**	**NO**
Winter						
Area Source	21.09	3.25E-03	0.36	4.00E-05	1.27E-03	1.27E-03
Energy Source	0.19	1.69	1.42	0.01	0.13	0.13
Mobile Source	7.95	132.26	68.91	0.65	33.21	9.94
TRUs	2.94	25.98	38.41	5.89E-03	0.33	0.30
On-Site Equipment Source	0.49	5.07	3.03	0.01	0.18	0.16
Total Maximum Daily Emissions	**32.66**	**165.01**	**112.13**	**0.67**	**33.84**	**10.53**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**YES**	**NO**	**NO**	**NO**	**NO**

TABLE 3-10: OPERATIONAL EMISSIONS COMPARISON (PROPOSED PROJECT VS ALLOWABLE WAREHOUSE USE)

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Proposed Project	33.14	162.36	126.09	0.68	33.91	10.56
Allowable Warehouse Use	40.66	163.79	112.61	0.77	38.29	11.81
Net (Project – Allowable Use)	**-7.52**	**-1.43**	**13.48**	**-0.09**	**-4.38**	**-1.26**
Winter						
Proposed Project	32.66	165.01	112.13	0.67	33.84	10.53
Allowable Warehouse Use	40.03	167.26	94.19	0.76	38.20	11.78
Net (Project – Allowable Use)	**-7.36**	**-2.25**	**17.94**	**-0.09**	**-4.35**	**-1.25**

3.8 LOCALIZED SIGNIFICANCE

BACKGROUND ON LOCALIZED SIGNIFICANCE THRESHOLD (LST) DEVELOPMENT

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology). The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4[9]. LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (36).

APPLICABILITY OF LSTS FOR THE PROJECT

For this Project, the appropriate SRA for the LST analysis is the SCAQMD Central San Bernardino Valley 2 (SRA 34). LSTs apply to CO, NO_2, PM_{10}, and $PM_{2.5}$. The SCAQMD produced look-up tables for projects less than or equal to 5 acres in size.

In order to determine the appropriate methodology for determining localized impacts that could occur as a result of Project-related construction, the following process is undertaken:

- Identify the maximum daily on-site emissions that will occur during construction activity:
  - The maximum daily on-site emissions could be based on information provided by the Project Applicant; or
  - The SCAQMD's *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* and CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* can be used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod (37) (34).
- If the total acreage disturbed is less than or equal to 5 acres per day, then the SCAQMD's screening look-up tables are utilized to determine if a Project has the potential to result in a significant impact. The look-up tables establish a maximum daily emissions threshold in lbs/day that can be compared to CalEEMod outputs.

[9] The purpose of SCAQMD's Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as "…equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

- If the total acreage disturbed is greater than 5 acres per day, then LST impacts may still be conservatively evaluated using the LST look-up tables for a 5-acre disturbance area. Use of the 5-acre disturbance area thresholds can be used to show that even if the daily emissions from all construction activity were emitted within a 5-acre area, and therefore concentrated over a smaller area which would result in greater site adjacent concentrations, the impacts would still be less than significant if the applicable 5-acre thresholds are utilized.
- The *LST Methodology* presents mass emission rates for each SRA, project sizes of 1, 2, and 5 acres, and nearest receptor distances of 25, 50, 100, 200, and 500 meters. For project sizes between the values given, or with receptors at distances between the given receptors, the methodology uses linear interpolation to determine the thresholds.

EMISSIONS CONSIDERED

Based on SCAQMD's *LST Methodology*, emissions for concern during construction activities are on-site NO_X, CO, $PM_{2.5}$, and PM_{10}. The *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs (38)." As such, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

MAXIMUM DAILY DISTURBED-ACREAGE

As a conservative measure, it is assumed that a maximum of 20 acres per day can be actively disturbed during construction of the site. In CalEEMod, the Total Acres Graded (TAG) field represents the cumulative distance traversed on the property by the grading equipment. In order to properly grade a piece of land, multiple passes with grading equipment may be required. So even though the lot size is a fixed number of acres, the TAG could be an order of magnitude higher than the footprint of the lot (34). Total Acres Graded (TAG) is a function of the maximum acreage disturbed per day times the number of days of the subphase of construction. As such, the TAG field in CalEEMod has been revised to 1,200 acres (20 acres per day x 60 days) for fine grading/site preparation.[10]

RECEPTORS

As previously stated, LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities.

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as "sensitive receptors". These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use where an individual could remain for 24 hours to the Project site will be used to determine construction and

[10] CalEEMod does not provide a "Total Acres Graded" field for Demolition, Building Construction, Paving, or Architectural Coating activities.

operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$, since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time.

LSTs apply, even for non-sensitive land uses, consistent with *LST Methodology* and SCAQMD guidance. Per the *LST Methodology*, commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain onsite for a full 24 hours but are typically onsite for 8 hours or less. However, *LST Methodology* explicitly states that "*LSTs based on shorter averaging periods, such as the NO_2 and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours* (38)." Therefore, any adjacent land use where an individual could remain for 1 or 8-hours, that is located at a closer distance to the Project site than the receptor used for PM_{10} and $PM_{2.5}$ analysis, must be considered to determine construction and operational LST air impacts for emissions of NO_2 and CO since these pollutants have an averaging time of 1 and 8-hours.

PROJECT-RELATED RECEPTORS

The SCAQMD recommends that the nearest sensitive receptor be considered when determining the Project's potential to cause an individual a cumulatively significant impact. The nearest land use where an individual could remain for 24 hours to the Project site has been used to determine localized construction and operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$ (since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time). The nearest receptor used for evaluation of localized impacts of PM_{10} and $PM_{2.5}$ is represented by the existing residence at 516 Agua Mansa Road, located approximately 56 feet (17 meters) east of the Project site.

As previously stated, and consistent with *LST Methodology*, the nearest industrial/commercial use to the Project site is used to determine construction and operational LST air impacts for emissions of NO_X and CO as the averaging periods for these pollutants are shorter (8 hours or less) and it is reasonable to assume that an individual could be present at these sites for periods of one to 8 hours. As there are not industrial/commercial uses located at a closer distance than the existing residence at 516 Agua Mansa Road, the same receptor used for evaluation of localized impacts of PM_{10} and $PM_{2.5}$ will be used for evaluation of NO_X and CO.

It should be noted that the *LST Methodology* explicitly states that "*It is possible that a project may have receptors closer than 25 meters. Projects with boundaries located closer than 25 meters to the nearest receptor should use the LSTs for receptors located at 25 meters* (39)." As such a 25-meter receptor distance will be used for evaluation of localized PM_{10}, $PM_{2.5}$, NO_2, and CO.

3.9 CONSTRUCTION-SOURCE EMISSIONS LST ANALYSIS

3.9.1 LOCALIZED THRESHOLDS FOR CONSTRUCTION ACTIVITY

Although the total acreage disturbed is more than 5 acres per day for construction activities, the *LST Methodology* provides look-up tables for sites with an area with daily disturbance of 5 acres or less. For projects that exceed 5 acres, the 5-acre LST look-up tables can be used as a screening tool to determine which pollutants require additional detailed analysis. This approach is conservative as it assumes that all on-site emissions associated with the Project would occur

within a concentrated 5-acre area. This screening method would therefore over-predict potential localized impacts, because by assuming that on-site construction activities are occurring over a smaller area, the resulting concentrations of air pollutants are more highly concentrated once they reach the smaller site boundary than they would be for activities if they were spread out over a larger surface area. On a larger site, the same amount of air pollutants generated would disperse over a larger surface area and would result in a lower concentration once emissions reach the Project-site boundary. As such, LSTs for a 5-acre site during construction are used as a screening tool to determine if further detailed analysis is required. The thresholds used in for the construction-source LST analysis are presented below in Table 3-11.

TABLE 3-11: MAXIMUM DAILY LOCALIZED CONSTRUCTION EMISSIONS THRESHOLDS

Pollutant	Construction Localized Thresholds
NO_X	270 lbs/day
CO	1,746 lbs/day
PM_{10}	14 lbs/day
$PM_{2.5}$	8 lbs/day

Source: Localized Thresholds presented in this table are based on the SCAQMD Final LST Methodology, July 2008

3.9.2 CONSTRUCTION-SOURCE LOCALIZED EMISSIONS

As shown in Table 3-12, localized construction emissions would not exceed the applicable SCAQMD LSTs for any criteria pollutant. Therefore, a less than significant impact would occur.

TABLE 3-12: LOCALIZED CONSTRUCTION-SOURCE EMISSIONS

On-Site Emissions	Emissions (lbs/day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Fine Grading/Site Preparation				
Maximum Daily Emissions	**38.55**	**43.20**	**13.24**	**5.50**
SCAQMD Localized Threshold	270	1,746	14	8
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**
Building Construction/Concrete Pours				
Maximum Daily Emissions	**42.41**	**49.30**	**2.04**	**2.04**
SCAQMD Localized Threshold	270	1,746	14	8
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**
Architectural Coating				
Maximum Daily Emissions	**1.81**	**2.44**	**0.13**	**0.13**
SCAQMD Localized Threshold	270	1,746	14	8
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**

3.10 OPERATIONAL-SOURCE EMISSIONS LST ANALYSIS

The Project site is located on an approximately 58-acre parcel. As noted previously, the *LST Methodology* provides look-up tables for sites with an area with daily disturbance of 5 acres or less. For projects that exceed 5 acres, the 5-acre LST look-up tables can be used as a screening tool to determine whether pollutants require additional detailed analysis. This approach is conservative as it assumes that all on-site emissions associated with the project would occur within a concentrated 5-acre area. This screening method would therefore over-predict potential localized impacts, because by assuming that on-site operational activities are occurring over a smaller area, the resulting concentrations of air pollutants are more highly concentrated once they reach the smaller site boundary than they would be for activities if they were spread out over a larger surface area. On a larger site, the same amount of air pollutants generated would disperse over a larger surface area and would result in a lower concentration once emissions reach the project-site boundary. As such, LSTs for a 5-acre site during operations are used as a screening tool to determine if further detailed analysis is required.

The LST analysis generally includes on-site sources (area, energy, mobile, and on-site cargo handling equipment – are previously discussed in Section 3.5 of this report). However, it should be noted that the CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. In an effort to establish a maximum potential impact scenario for analytic purposes, the emissions shown on Table 3-14 represent all on-site Project-related stationary sources and 5% of the Project-related mobile sources. Considering that the trip length used in CalEEMod for the Project is approximately 16.6 miles for passenger cars and 40.0 miles for all trucks, 5% of this total would represent an on-site travel distance of approximately 0.8 mile for passenger cars and 2 miles for trucks. It should be noted that the longest on-site distance is roughly 0.75 miles for passenger cars (Driveway 2 to Driveway 4) and 1 mile for trucks (Driveway 1 to Driveway 4). As such, the 5% assumption is conservative and would tend to overstate the actual impact because it is not likely that a passenger car or truck would drive 0.8 mile or 2 miles on the site, respectively. Modeling based on these assumptions demonstrates that even within broad encompassing parameters, Project operational-source emissions would not exceed applicable LSTs.

3.10.1 LOCALIZED THRESHOLDS FOR OPERATIONAL ACTIVITY

As previously stated, LSTs for a 5-acre site during operations are used as a screening tool to determine if further detailed analysis is required.

TABLE 3-13: MAXIMUM DAILY LOCALIZED OPERATIONAL EMISSIONS THRESHOLDS

Pollutant	Construction Localized Thresholds
NO_X	270 lbs/day
CO	1,746 lbs/day
PM_{10}	4 lbs/day
$PM_{2.5}$	2 lbs/day

Source: Localized Thresholds presented in this table are based on the SCAQMD Final LST Methodology, July 2008

3.10.2 OPERATIONAL-SOURCE LOCALIZED EMISSIONS

As shown on Table 3-14 operational emissions would not exceed the LST thresholds for the nearest sensitive receptor. Therefore, the Project would have a less than significant localized impact during operational activity.

TABLE 3-14: LOCALIZED SIGNIFICANCE SUMMARY OF OPERATIONS – WITHOUT MM/PDF

On-Site Emissions	Emissions (lbs/day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Maximum Daily Emissions	**14.67**	**10.87**	**1.98**	**0.80**
SCAQMD Localized Threshold	270	1,746	4	2
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**

3.11 CO "HOT SPOT" ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or "hot spots." Further, detailed modeling of Project-specific CO "hot spots" is not needed to reach this conclusion. An adverse CO concentration, known as a "hot spot", would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur.

It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SCAB is now designated as attainment.

To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO "hot spot" analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This "hot spot" analysis did not predict any violation of CO standards, as shown on Table 3-15.

TABLE 3-15: CO MODEL RESULTS

Intersection Location	CO Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire Boulevard/Veteran Avenue	4.6	3.5	3.7
Sunset Boulevard/Highland Avenue	4	4.5	3.5
La Cienega Boulevard/Century Boulevard	3.7	3.1	5.2
Long Beach Boulevard/Imperial Highway	3	3.1	8.4

Notes: Federal 1-hour standard is 35 ppm and the deferral 8-hour standard is 9.0 ppm.

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (*1992 CO Plan*), peak CO concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection. As evidence of this, for example, 8.4 ppm 8-hr CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (highest CO generating intersection within the "hot spot" analysis), only 0.7 ppm was attributable to the traffic volumes and congestion at this intersection; the remaining 7.7 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (40). In contrast, an adverse CO concentration, known as a "hot spot", would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur.

The ambient 1-hr and 8-hr CO concentration within the Project study area is estimated to be 1.5 ppm and 1.2 ppm, respectively (data from Metropolitan Riverside County station for 2019). Therefore, even if the traffic volumes for the proposed Project were double or even triple of the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, coupled with the on-going improvements in ambient air quality, the Project would not be capable of resulting in a CO "hot spot" at any study area intersections.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour (vph)—or 24,000 vph where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (41). Traffic volumes generating the CO concentrations for the "hot spot" analysis is shown on Table 3-16. The busiest intersection evaluated was that at Wilshire Boulevard and Veteran Avenue, which has a daily traffic volume of approximately 100,000 vph and AM/PM traffic volumes of 8,062 vph and 7,719 vph respectively (40). The *2003 AQMP* estimated that the 1-hour concentration for this intersection was 4.6 ppm; this indicates that, should the daily traffic volume increase four times to 400,000 vehicles per day, CO concentrations (4.6 ppm x 4= 18.4 ppm) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm)[11].

TABLE 3-16: TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
Wilshire Boulevard/Veteran Avenue	4,954/2,069	1,830/3,317	721/1,400	560/933	8,062/7,719
Sunset Boulevard/Highland Avenue	1,417/1,764	1,342/1,540	2,304/1,832	1,551/2,238	6,614/5,374
La Cienega Boulevard/Century Boulevard	2,540/2,243	1,890/2,728	1,384/2,029	821/1,674	6,634/8,674
Long Beach Boulevard/Imperial Highway	1,217/2,020	1,760/1,400	479/944	756/1,150	4,212/5,514

[11] Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm)

As shown on Table 3-17, the highest trips on a segment of road for the proposed Project during AM and PM traffic is 3,086 vph and 3,535 vph, respectively, on La Cadena Drive and Barton Road (35). As such, Project-related traffic volumes are less than the traffic volumes identified in the 2003 AQMP. The Project considered herein would not produce the volume of traffic required to generate a CO "hot spot" either in the context of the 2003 Los Angeles hot spot study or based on representative BAAQMD CO threshold considerations. Therefore, CO "hot spots" are not an environmental impact of concern for the Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

TABLE 3-17: OPENING YEAR TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
La Cadena Drive/Valley Boulevard	645/977	406/502	591/599	772/809	2,414/2,886
La Cadena Drive/Barton Road	960/1,131	1,584/1,575	0/0	542/829	3,086/3,535
Iowa Avenue/La Cadena Drive	797/1,037	1,509/1,591	545/779	0/0	2,852/3,406
Iowa Avenue/I-215 Northbound Ramps	0/0	1,318/1,095	1,080/1,254	382/487	2,780/2,835

3.12 AQMP

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the SCAG, county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In March 2017, the SCAQMD released the *Final 2016 AQMP* (*2016 AQMP*). The *2016 AQMP* continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (42). Similar to the 2012 AQMP, the *2016 AQMP* incorporates scientific and technological information and planning assumptions, including the *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy* (*2016-2040 RTP/SCS*), a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements (15). The

Project's consistency with the AQMP will be determined using the *2016 AQMP* as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (43). These indicators are discussed below:

3.12.1 Consistency Criterion No. 1

The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations that Consistency Criterion No. 1 refer to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded.

Construction Impacts – Consistency Criterion 1

Consistency Criterion No. 1 refers to violations of the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if LSTs or regional significance thresholds were exceeded. As evaluated, the Project's regional and localized construction-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

Operational Impacts – Consistency Criterion 1

As evaluated, the Project's localized operational-source emissions would not exceed applicable localized significance thresholds. However, the Project has the potential to result in a significant impact with respect to this criterion because its regional operational-source emissions are anticipated to exceed the regional thresholds of significance for NO_X. Notwithstanding, the proposed Project is anticipated to generate fewer emissions per day for pollutants of VOC, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$ as compared to what is assumed in the *GPU EIR*, which identified a significant and unavoidable impact with respect to the AQMP consistency. As such, the Project would not result in any new or more severe impacts with respect to this threshold.

On the basis of the preceding discussion, the Project is determined to be inconsistent with the AQMP's first criterion in regard to NO_x emissions, but the inconsistency was already studied and disclosed in the *GPU EIR,* and the impact is not more severe than was disclosed in the *GPU EIR*.

3.12.2 Consistency Criterion No. 2

The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

The *2016 AQMP* demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in City of Colton General Plan is considered to be consistent with the AQMP.

Construction Impacts – Consistency Criterion 2

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. As such, when considering that no emissions thresholds will be exceeded, a less than significant impact would result.

Operational Impacts – Consistency Criterion 2

The City of Colton designates the Project site for Heavy Industrial uses. Heavy Industrial uses may include heavy manufacturing, distribution, assembly, resource mining, storage, and similar activities not normally compatible near residential development due to environmental nuisances such as noise and air pollution. Within established areas, Heavy Industrial uses should be buffered from residential neighborhoods by Light Industrial or Business Park development wherever possible (1). As previously stated, the Project is proposed to consist of 913,743 sf of High-Cube Automated Freezer/Cold Storage Warehouse and High-Cube Fulfillment Center Warehouse use. Building 1 is proposed for 454,543 sf of High-Cube Automated Freezer/Cold Storage Warehouse use and Building 2 is proposed for 114,000 sf of High-Cube Automated Freezer/Cold Storage Warehouse use (25% of total building square footage) and 342,000 sf of High-Cube Fulfillment Center Warehouse use (75% of total building square footage). The Project land uses are consistent with the land uses allowed under the City land use designations for the Project site and thus are consistent with the AQMP's growth assumptions

As shown in Section 3.6 of this AQIA (See Table 3-3), operational-source emissions were calculated for the Project site based on the approved land use designation identified in the *GPU EIR*. The proposed Project emissions are considered to be less than the emissions anticipated by the *GPU EIR* for the Project site for General Plan Buildout as shown on Table 3-10.

On the basis of the preceding discussion, the Project is determined to be consistent with the second criterion.

AQMP CONSISTENCY CONCLUSION

The Project has the potential to result in or cause NAAQS or CAAQS violations, as the Project's operational NO_X emissions exceed the applicable threshold of significance which results in a potentially significant impact under Consistency Criterion 1 of the AQMP discussed above (but not Consistency Criterion 2). As such, the Project is therefore considered to be inconsistent with the AQMP.

However, even though the Project's regional operational-source emissions are anticipated to exceed the regional thresholds of significance for NO_X, the proposed Project is anticipated to generate fewer emissions per day for pollutants of VOC, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$ as compared to what is assumed in the *GPU EIR*. Additionally, the *GPU EIR* identified a significant and unavoidable impact with respect to AQMP consistency. As such, the Project would not result in any new or more severe impact with respect to this threshold that was not previously disclosed by the *GPU EIR*.

3.13 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Results of the LST analysis indicate that the Project will not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction.

Additionally, the Project will not exceed the SCAQMD localized significance thresholds during operational activity. Further Project traffic would not create or result in a CO "hotspot." Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

3.13.1 FRIANT RANCH CASE

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, California Supreme Court held that an EIR's air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided. As noted in the *Brief* of Amicus Curiae by the SCAQMD in the Friant Ranch case (April 6, 2015, Appendix 3.5), SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, and thus it is uniquely situated to express an opinion on how lead agencies should correlate air quality impacts with specific health outcomes (44).

The SCAQMD discusses that it may be infeasible to quantify health risks caused by projects similar to the proposed Project, due to many factors. It is necessary to have data regarding the sources and types of air toxic contaminants, location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors (worker and residence) (44). The *Brief* states that it may not be feasible to perform a health risk assessment for airborne toxics that will be emitted by a generic industrial building that was built on "speculation" (i.e., without knowing the future tenant(s))[12] (44). Even where a health risk assessment can be prepared, however, the resulting maximum health risk value is only a calculation of risk--it does not necessarily mean anyone will contract cancer as a result of the Project (44). The *Brief* also cites the author of the CARB methodology, which reported that a $PM_{2.5}$ methodology is not suited for small projects and may yield unreliable results (44). Similarly, SCAQMD staff does not currently know of a way to accurately quantify O_3-related health impacts caused by NO_X or VOC emissions from relatively small projects, due to photochemistry and regional model limitations (44). The *Brief* concludes, with respect to the Friant Ranch EIR, that although it may have been technically possible to plug the data into a methodology, the results would not have been reliable or meaningful (44).

On the other hand, for extremely large regional projects (unlike the proposed Project), the SCAQMD states that it has been able to correlate potential health outcomes for very large emissions sources – as part of their rulemaking activity, specifically 6,620 lbs./day of NO_X and

[12] It should also be noted that the actual occurrence of specific health conditions is based on numerous other factors that are infeasible to quantify, such as an individual's genetic predisposition, diet, exercise regiment, stress, and other behavioral characteristics.

89,180 lbs./day of VOC were expected to result in approximately 20 premature deaths per year and 89,947 school absences due to O_3 (44).

The proposed Project does not generate anywhere near 6,620 lbs/day of NO_X or 89,190 lbs/day of VOC emissions. The proposed Project would generate up to 90.51 lbs/day of NO_X during construction and 162.10 lbs/day of NO_X during operations (1.37% and 2.45% of 6,620 lbs/day, respectively). Additionally, the proposed Project would also generate a maximum of 61.91 lbs/day of VOC emissions during construction and 32.90 lbs/day of VOC emissions during operations (0.07% and 0.04% of 89,190 lbs/day, respectively). Therefore, the proposed Project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level.

Notwithstanding, this AQIA does evaluate the proposed Project's localized impact to air quality for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$ by comparing the Proposed Project's on-site emissions to the SCAQMD's applicable LST thresholds. As evaluated in this AQIA, the proposed Project would not result in emissions that exceeded the SCAQMD's LSTs. Therefore, the proposed Project would not be expected to exceed the most stringent applicable federal or state ambient air quality standards for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$.

3.14 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the solid waste regulations. The proposed Project would also be required to comply with

SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required (45).

3.15 CUMULATIVE IMPACTS

As previously shown in Table 2-3, the CAAQS designate the Project site as nonattainment for O_3 PM_{10}, and $PM_{2.5}$ while the NAAQS designates the Project site as nonattainment for O_3 and $PM_{2.5}$.

The SCAQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (46). In this report the SCAQMD clearly states (Page D-3):

> *"…the SCAQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for TAC emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*
>
> *Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."*

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which SCAB is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable.

CONSTRUCTION IMPACTS

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project construction-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, proposed Project construction-source emissions would be considered less than significant on a project-specific and cumulative basis.

OPERATIONAL IMPACTS

Project operational-source NO_X emissions would exceed applicable SCAQMD regional thresholds. Per SCAQMD significance guidance, these impacts at the Project level are also considered cumulatively significant and would persist over the life of the Project. NO_X emissions are O_3 precursors and would therefore contribute considerably to existing ozone non-attainment conditions within the SCAB. The *GPU EIR* reported a NO_X emissions exceedance over the applicable SCAQMD regional threshold. Consistent with the findings of the *GPU EIR*, the Project would result in a cumulatively considerable significant impact persisting over the life of the Project. Although the Project's operational emissions of NO_X would exceed the SCAQMD regional threshold and thus would be cumulatively considerable, the Project would result in fewer NO_X emissions as compared to the range of land uses for the site as evaluated by the *GPU EIR*. Thus, although the Project would result in significant and unavoidable impacts due to operational-related NO_X emissions, the level of emissions that would be generated by the Project would be less than was assumed for the site by the *GPU EIR*. As such, the Project's NO_X emissions are within the scope of analysis of the *GPU EIR*.

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5 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Agua Mansa Commerce Center. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com

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EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – CARB • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 2.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

APPENDIX C

MAPS AND TABLES OF AREA DESIGNATIONS FOR STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS

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APPENDIX C

MAPS AND TABLES OF AREA DESIGNATIONS FOR STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

Ambient Air Quality Standards

(Updated 5/4/16)

Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		—		
Fine Particulate Matter (PM2.5)[9]	24 Hour	—	—	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m³)		9 ppm (10 mg/m³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m³)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m³)	
	24 Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[11]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[11]	—	
Lead[12,13]	30 Day Average	1.5 µg/m³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m³		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

See footnotes on next page ...

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the U.S. EPA.

8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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Area Designations for the State Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment-transitional, or unclassified for each pollutant, as shown below:

Attainment	A
Nonattainment	N
Nonattainment-Transitional	NA-T
Unclassified	U

In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

FIGURE 1

Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 1

California Ambient Air Quality Standards
Area Designations for Ozone [1]

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTHEAST PLATEAU AIR BASIN				X
Alpine County			X		SACRAMENTO VALLEY AIR BASIN				
Inyo County	X				Colusa and Glenn Counties				X
Mono County	X				Sutter/Yuba Counties				
LAKE COUNTY AIR BASIN				X	Sutter Buttes	X			
LAKE TAHOE AIR BASIN				X	Remainder of Sutter County				X
MOJAVE DESERT AIR BASIN	X				Yuba County				X
MOUNTAIN COUNTIES AIR BASIN					Yolo/Solano Counties		X		
Amador County	X				Remainder of Air Basin	X			
Calaveras County	X				SALTON SEA AIR BASIN	X			
El Dorado County (portion)	X				SAN DIEGO AIR BASIN	X			
Mariposa County	X				SAN FRANCISCO BAY AREA AIR BASIN	X			
Nevada County	X				SAN JOAQUIN VALLEY AIR BASIN	X			
Placer County (portion)	X				SOUTH CENTRAL COAST AIR BASIN				
Plumas County			X		San Luis Obispo County	X			
Sierra County			X		Santa Barbara County		X		
Tuolumne County	X				Ventura County	X			
NORTH CENTRAL COAST AIR BASIN		X			SOUTH COAST AIR BASIN	X			
NORTH COAST AIR BASIN				X					

(1) AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.

FIGURE 2

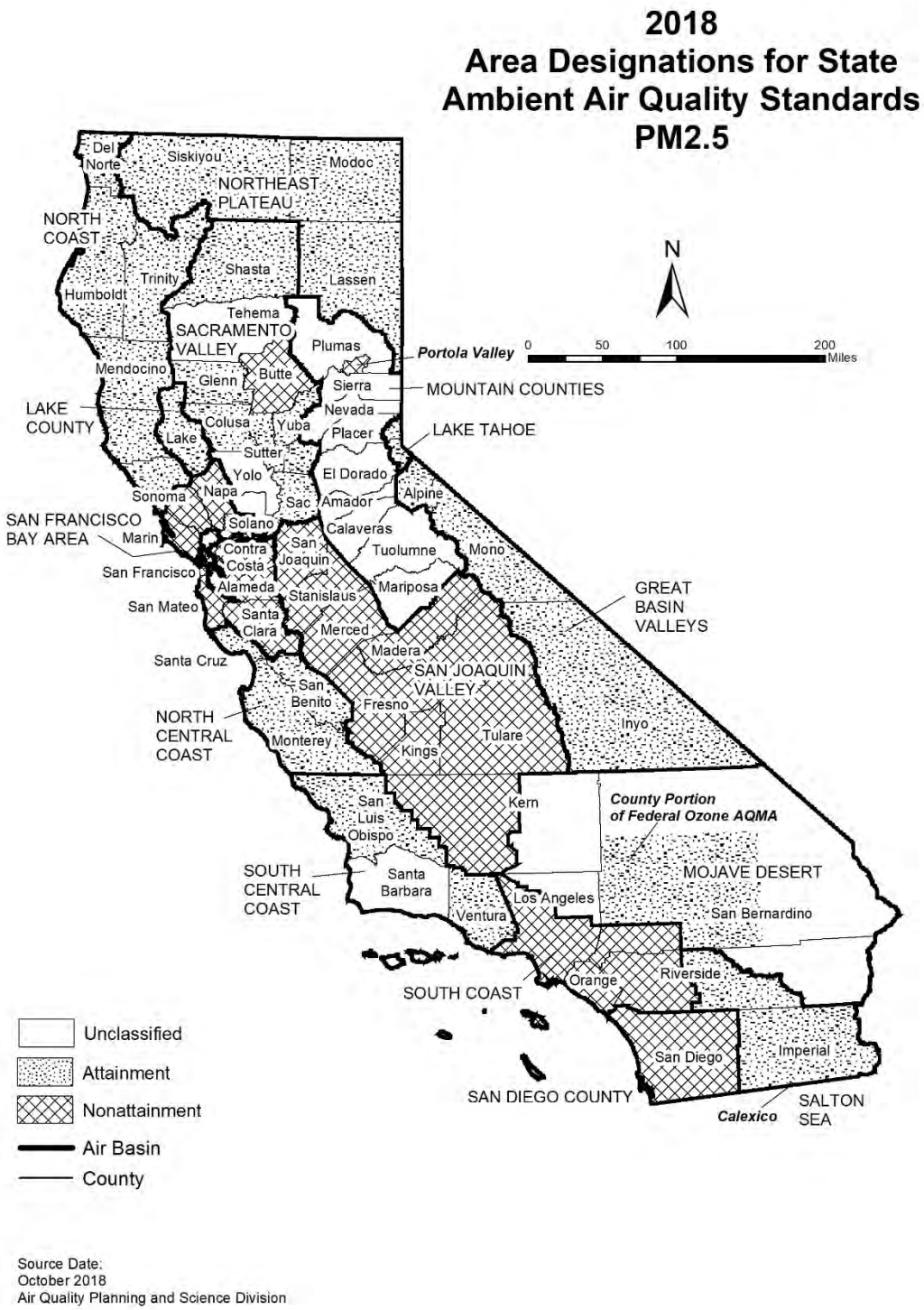
Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 2

California Ambient Air Quality Standards
Area Designation for Suspended Particulate Matter (PM10)

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN	X			NORTH CENTRAL COAST AIR BASIN	X		
LAKE COUNTY AIR BASIN			X	NORTH COAST AIR BASIN			
LAKE TAHOE AIR BASIN	X			Del Norte, Sonoma (portion) and Trinity Counties			X
MOJAVE DESERT AIR BASIN	X			Remainder of Air Basin	X		
MOUNTAIN COUNTIES AIR BASIN				NORTHEAST PLATEAU AIR BASIN			
Amador County		X		Siskiyou County			X
Calaveras County	X			Remainder of Air Basin		X	
El Dorado County (portion)	X			SACRAMENTO VALLEY AIR BASIN			
Mariposa County				Shasta County			X
- Yosemite National Park	X			Remainder of Air Basin	X		
- Remainder of County		X		SALTON SEA AIR BASIN	X		
Nevada County	X			SAN DIEGO AIR BASIN	X		
Placer County (portion)	X			SAN FRANCISCO BAY AREA AIR BASIN	X		
Plumas County	X			SAN JOAQUIN VALLEY AIR BASIN	X		
Sierra County	X			SOUTH CENTRAL COAST AIR BASIN	X		
Tuolumne County		X		SOUTH COAST AIR BASIN	X		

FIGURE 3



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 3

California Ambient Air Quality Standards
Area Designations for Fine Particulate Matter (PM2.5)

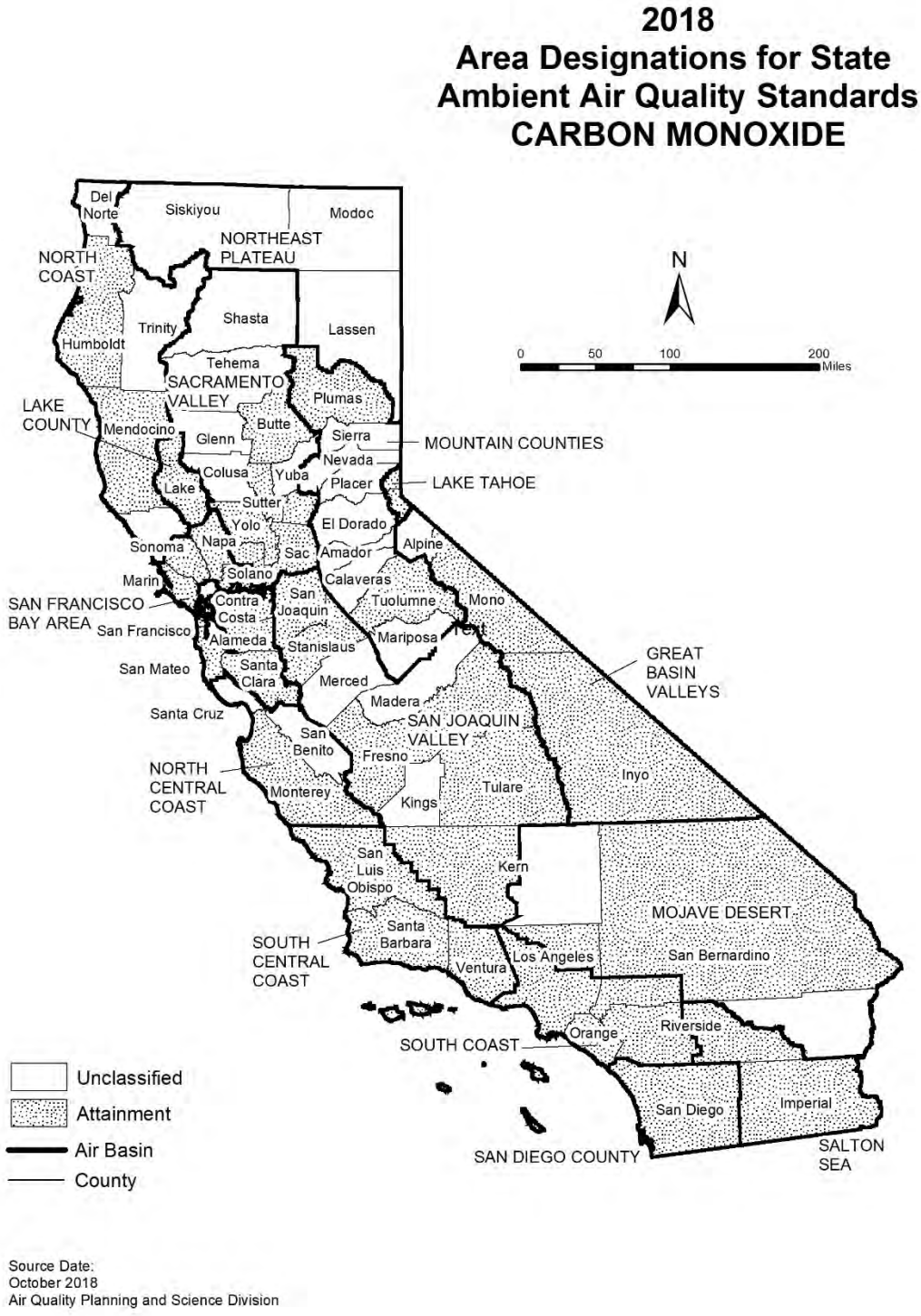
	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			
LAKE COUNTY AIR BASIN			X	Imperial County			
LAKE TAHOE AIR BASIN			X	- City of Calexico (3)	X		
MOJAVE DESERT AIR BASIN				Remainder of Air Basin			X
San Bernardino County				SAN DIEGO AIR BASIN	X		
- County portion of federal Southeast Desert Modified AQMA for Ozone (1)			X	SAN FRANCISCO BAY AREA AIR BASIN	X		
				SAN JOAQUIN VALLEY AIR BASIN	X		
Remainder of Air Basin		X		SOUTH CENTRAL COAST AIR BASIN			
MOUNTAIN COUNTIES AIR BASIN				San Luis Obispo County			X
Plumas County				Santa Barbara County		X	
- Portola Valley (2)	X			Ventura County			X
Remainder of Air Basin		X		SOUTH COAST AIR BASIN	X		
NORTH CENTRAL COAST AIR BASIN			X				
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN							
Butte County	X						
Colusa County			X				
Glenn County			X				
Placer County (portion)			X				
Sacramento County			X				
Shasta County			X				
Sutter and Yuba Counties			X				
Remainder of Air Basin		X					

(1) California Code of Regulations, title 17, section 60200(b)

(2) California Code of Regulations, title 17, section 60200(c)

(3) California Code of Regulations, title 17, section 60200(a)

FIGURE 4



Source Date:
October 2018
Air Quality Planning and Science Division

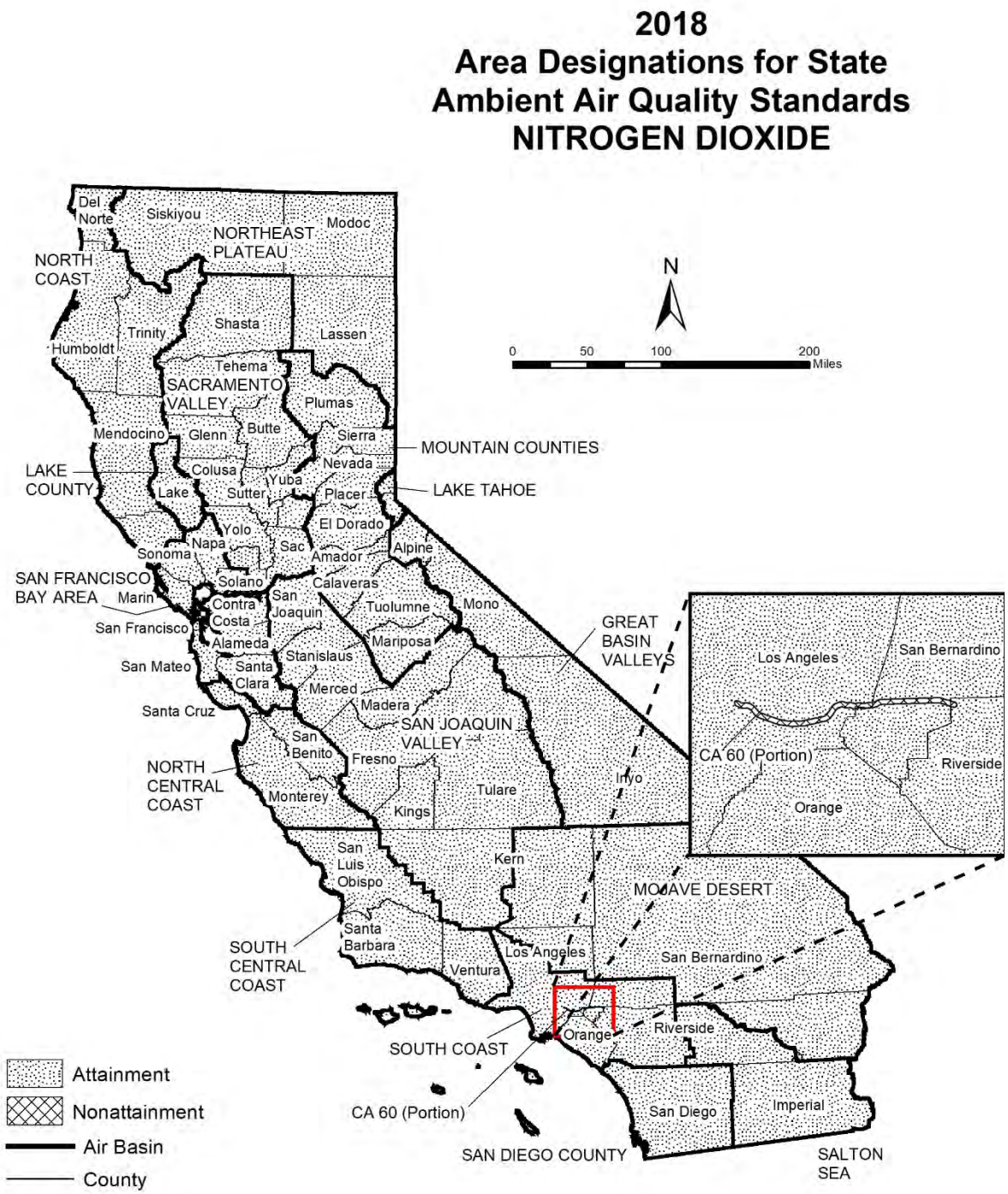
TABLE 4

California Ambient Air Quality Standards
Area Designation for Carbon Monoxide*

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					SACRAMENTO VALLEY AIR BASIN				
Alpine County			X		Butte County				X
Inyo County				X	Colusa County			X	
Mono County				X	Glenn County			X	
LAKE COUNTY AIR BASIN				X	Placer County (portion)				X
LAKE TAHOE AIR BASIN				X	Sacramento County				X
MOJAVE DESERT AIR BASIN					Shasta County			X	
Kern County (portion)			X		Solano County (portion)				X
Los Angeles County (portion)				X	Sutter County				X
Riverside County (portion)			X		Tehama County			X	
San Bernardino County (portion)				X	Yolo County				X
MOUNTAIN COUNTIES AIR BASIN					Yuba County			X	
Amador County			X		SALTON SEA AIR BASIN				X
Calaveras County			X		SAN DIEGO AIR BASIN				X
El Dorado County (portion)			X		SAN FRANCISCO BAY AREA AIR BASIN				X
Mariposa County			X		SAN JOAQUIN VALLEY AIR BASIN				
Nevada County			X		Fresno County				X
Placer County (portion)			X		Kern County (portion)				X
Plumas County				X	Kings County			X	
Sierra County			X		Madera County			X	
Tuolumne County				X	Merced County			X	
NORTH CENTRAL COAST AIR BASIN					San Joaquin County				X
Monterey County				X	Stanislaus County				X
San Benito County			X		Tulare County				X
Santa Cruz County			X		SOUTH CENTRAL COAST AIR BASIN				X
NORTH COAST AIR BASIN					SOUTH COAST AIR BASIN				X
Del Norte County			X						
Humboldt County				X					
Mendocino County				X					
Sonoma County (portion)			X						
Trinity County			X						
NORTHEAST PLATEAU AIR BASIN			X						

* The area designated for carbon monoxide is a county or portion of a county

FIGURE 5



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 5

California Ambient Air Quality Standards
Area Designation for Nitrogen Dioxide

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			
NORTHEAST PLATEAU AIR BASIN			X	CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties	X		
				Remainder of Air Basin			X

FIGURE 6

Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 6

California Ambient Air Quality Standards
Area Designation for Sulfur Dioxide*

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SALTON SEA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN DIEGO AIR BASIN		X
MOJAVE DESERT AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X			

* The area designated for sulfur dioxide is a county or portion of a county

FIGURE 7

Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 7

California Ambient Air Quality Standards
Area Designation for Sulfates

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTHEAST PLATEAU AIR BASIN			X				

FIGURE 8

Source Date:
October 2018
Air Quality Planning and Science Division

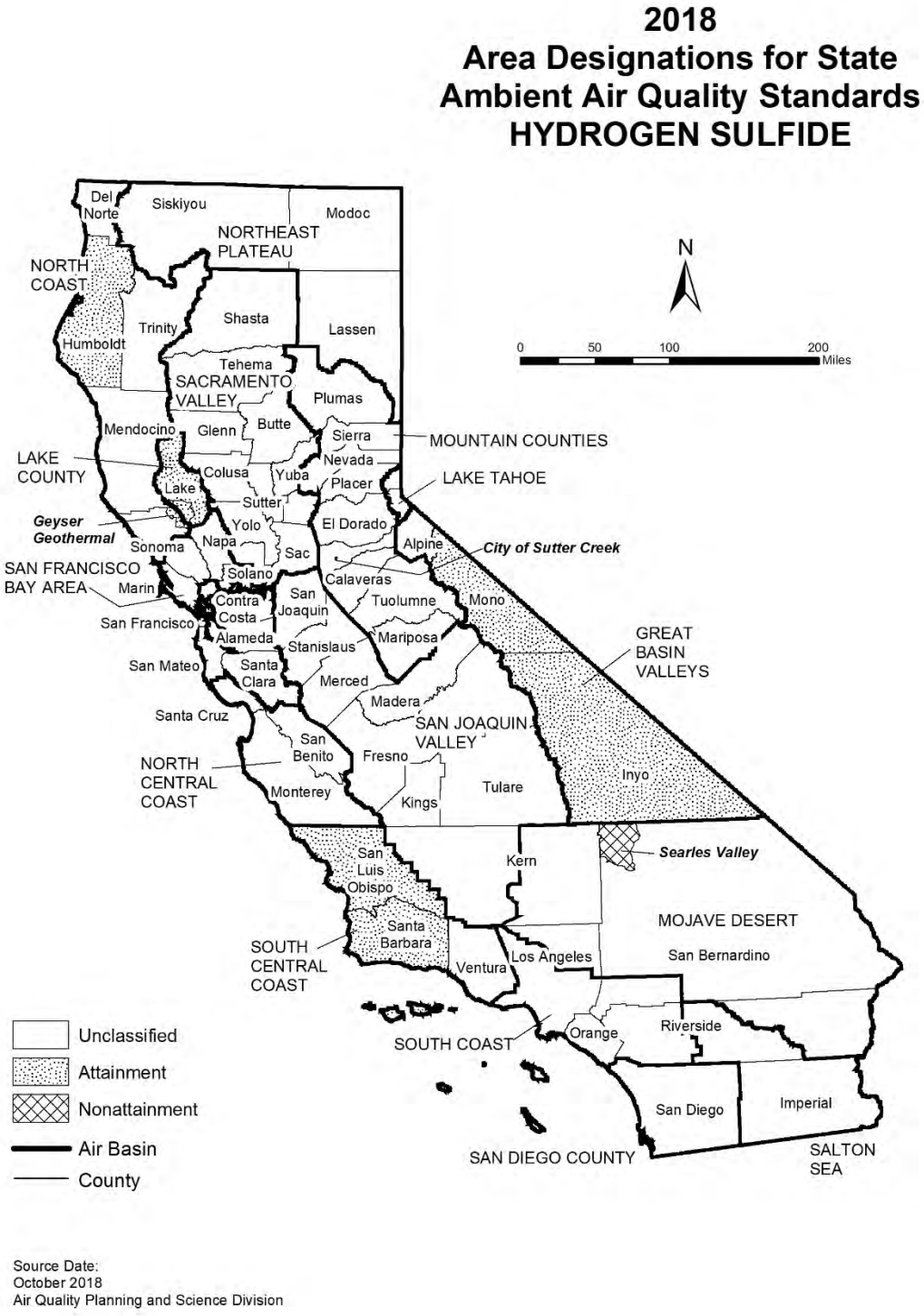
TABLE 8

California Ambient Air Quality Standards
Area Designations for Lead (particulate)*

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SAN DIEGO AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN			X				

* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

FIGURE 9



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 9

California Ambient Air Quality Standards
Area Designation for Hydrogen Sulfide*

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTH CENTRAL COAST AIR BASIN			X	
Alpine County			X		NORTH COAST AIR BASIN				
Inyo County				X	Del Norte County			X	
Mono County				X	Humboldt County				X
LAKE COUNTY AIR BASIN				X	Mendocino County			X	
LAKE TAHOE AIR BASIN			X		Sonoma County (portion)				
MOJAVE DESERT AIR BASIN					- Geyser Geothermal Area (2)				X
Kern County (portion)			X		- Remainder of County			X	
Los Angeles County (portion)			X		Trinity County			X	
Riverside County (portion)			X		NORTHEAST PLATEAU AIR BASIN			X	
San Bernardino County (portion)					SACRAMENTO VALLEY AIR BASIN			X	
- Searles Valley Planning Area (1)	X				SALTON SEA AIR BASIN			X	
- Remainder of County			X		SAN DIEGO AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN					SAN FRANCISCO BAY AREA AIR BASIN			X	
Amador County					SAN JOAQUIN VALLEY AIR BASIN			X	
- City of Sutter Creek	X				SOUTH CENTRAL COAST AIR BASIN				
- Remainder of County			X		San Luis Obispo County				X
Calaveras County			X		Santa Barbara County				X
El Dorado County (portion)			X		Ventura County			X	
Mariposa County			X		SOUTH COAST AIR BASIN			X	
Nevada County			X						
Placer County (portion)			X						
Plumas County			X						
Sierra County			X						
Tuolumne County			X						

* The area designated for hydrogen sulfide is a county or portion of a county

(1) 52 Federal Register 29384 (August 7, 1987)

(2) California Code of Regulations, title 17, section 60200(d)

FIGURE 10

2018
Area Designations for State Ambient Air Quality Standards
VISIBILITY REDUCING PARTICLES

Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 10

California Ambient Air Quality Standards
Area Designation for Visibility Reducing Particles

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN			X		SACRAMENTO VALLEY AIR BASIN			X	
LAKE COUNTY AIR BASIN				X	SALTON SEA AIR BASIN			X	
LAKE TAHOE AIR BASIN			X		SAN DIEGO AIR BASIN			X	
MOJAVE DESERT AIR BASIN			X		SAN FRANCISCO BAY AREA AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN			X		SAN JOAQUIN VALLEY AIR BASIN			X	
NORTH CENTRAL COAST AIR BASIN			X		SOUTH CENTRAL COAST AIR BASIN			X	
NORTH COAST AIR BASIN			X		SOUTH COAST AIR BASIN			X	
NORTHEAST PLATEAU AIR BASIN			X						

Area Designations for the National Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. Additional information about the federal area designations is available on the U.S. EPA website:

https://www.epa.gov/green-book

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website:

https://www.epa.gov/criteria-air-pollutants

Designation Categories

Suspended Particulate Matter (PM_{10}). The U.S. EPA uses three categories to designate areas with respect to PM_{10}:

- Attainment
- Nonattainment
- Unclassifiable

Ozone, Fine Suspended Particulate Matter ($PM_{2.5}$), Carbon Monoxide (CO), and Nitrogen Dioxide (NO_2). The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment
- Unclassifiable/Attainment

The national 1-hour ozone standard was revoked effective June 15, 2005, and the area designations map reflects the 2015 national 8-hour ozone standard of 0.070 ppm. Original designations were finalized on August 3, 2018.

On December 14, 2012, the U.S. EPA established a new national annual primary $PM_{2.5}$ standard of 12.0 $\mu g/m^3$. New area designations reflecting this revised standard became final in December 2014. The current designation map reflects the most recently revised (2012) annual average standard of 12.0 $\mu g/m^3$ as well as the 24-hour standard of 35 $\mu g/m^3$, revised in 2006.

On January 22, 2010, the U.S. EPA established a new national 1-hour NO_2 standard of 100 parts per billion (ppb) and retained the annual average standard of 53 ppb. Designations for the primary NO_2 standard became effective on February 29, 2012. All areas of California meet this standard.

Sulfur Dioxide (SO_2). The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment,
- Unclassifiable, and
- Attainment/Unclassifiable.

On June 2, 2010, the U.S. EPA established a new primary 1-hour SO_2 standard of 75 parts per billion (ppb). At the same time, U.S. EPA revoked the 24-hour and annual

average standards. Area designations for the 1-hour SO_2 standard were finalized on December 21, 2017 and are reflected in the area designations map.

Lead (particulate). The U.S. EPA promulgated a new rolling 3-month average lead standard in October 2008 of 0.15 μg/m^3. Designations were made for this standard in November 2010.

Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency, the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at:

https://ecfr.io/Title-40/se40.20.81_1305

FIGURE 11

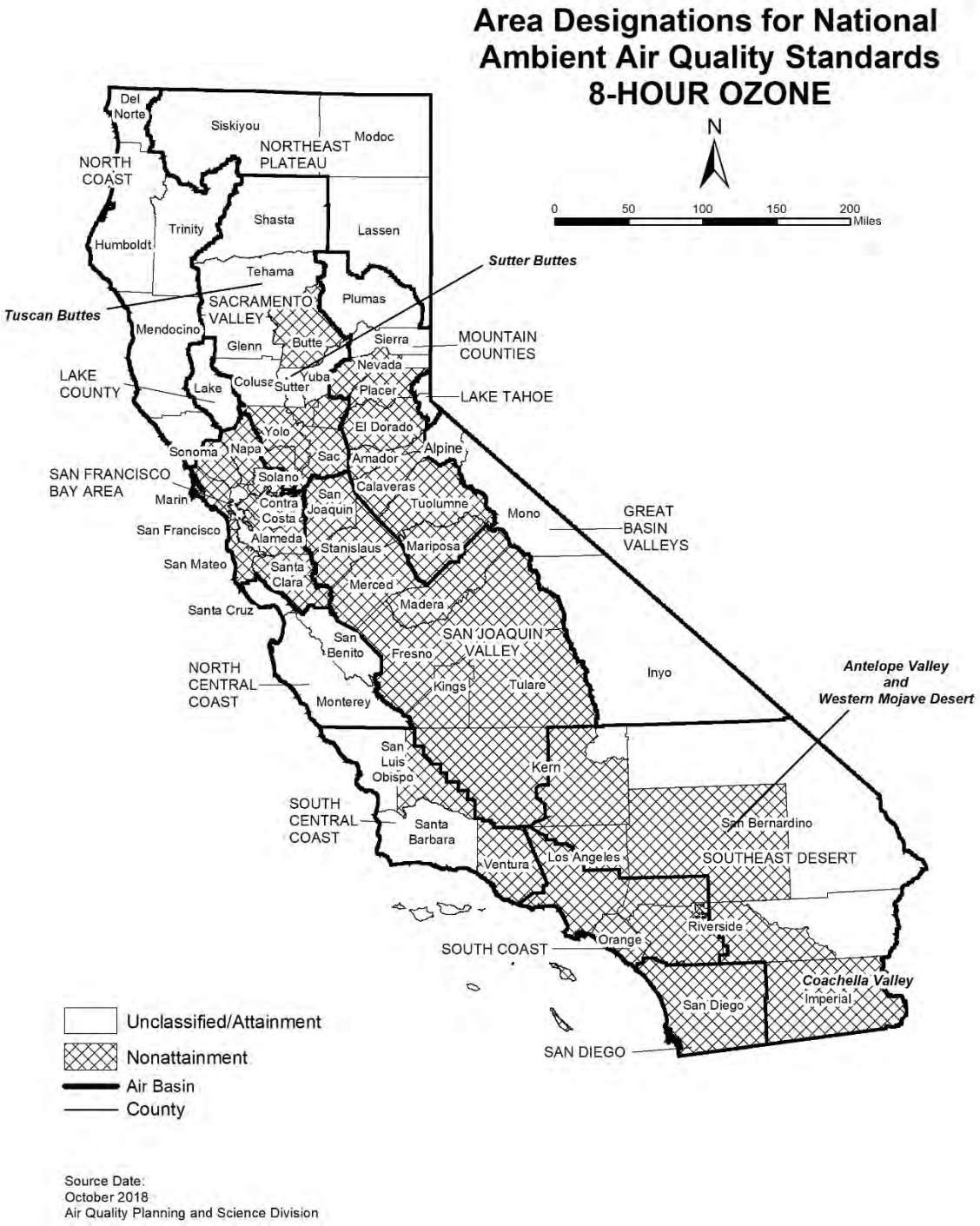

Area Designations for National Ambient Air Quality Standards 8-HOUR OZONE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
Sutter Buttes
Tuscan Buttes
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Sutter
Yuba
Placer
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Antelope Valley and Western Mojave Desert
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
SOUTHEAST DESERT
Riverside
Orange
SOUTH COAST
Coachella Valley
Imperial
San Diego
SAN DIEGO
Unclassified/Attainment
Nonattainment
Air Basin
County
Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 11

National Ambient Air Quality Standards
Area Designations for 8-Hour Ozone*

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN (cont.)		
LAKE COUNTY AIR BASIN		X	Yolo County (2)	X	
LAKE TAHOE AIR BASIN		X	Yuba County		X
MOUNTAIN COUNTIES AIR BASIN			SAN DIEGO COUNTY	X	
Amador County	X		SAN FRANCISCO BAY AREA AIR BASIN	X	
Calaveras County	X		SAN JOAQUIN VALLEY AIR BASIN	X	
El Dorado County (portion) (2)	X		SOUTH CENTRAL COAST AIR BASIN (1)		
Mariposa County	X		San Luis Obispo County		
Nevada County			- Eastern San Luis Obispo County	X	
- Western Nevada County	X		- Remainder of County		X
- Remainder of County		X	Santa Barbara County		X
Placer County (portion) (2)	X		Ventura County		
Plumas County		X	- Area excluding Anacapa and San Nicolas Islands	X	
Sierra County		X	- Channel Islands (1)		X
Tuolumne County	X		SOUTH COAST AIR BASIN (1)	X	
NORTH CENTRAL COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
NORTH COAST AIR BASIN		X	Kern County (portion)	X	
NORTHEAST PLATEAU AIR BASIN		X	- Indian Wells Valley		X
SACRAMENTO VALLEY AIR BASIN			Imperial County	X	
Butte County	X		Los Angeles County (portion)	X	
Colusa County		X	Riverside County (portion)		
Glenn County		X	- Coachella Valley	X	
Sacramento Metro Area (2)	X		- Non-AQMA portion		X
Shasta County		X	San Bernardino County		
Sutter County			- Western portion (AQMA)	X	
- Sutter Buttes	X		- Eastern portion (non-AQMA)		X
- Southern portion of Sutter County (2)	X				
- Remainder of Sutter County		X			
Tehama County					
- Tuscan Buttes	X				
- Remainder of Tehama County		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2015 8-hour ozone standard of 0.070 ppm.

(1) South Central Coast Air Basin Channel Islands:
Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.
Ventura County includes Anacapa and San Nicolas Islands.
South Coast Air Basin:
Los Angeles County includes San Clemente and Santa Catalina Islands.

(2) For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

FIGURE 12

Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 12

National Ambient Air Quality Standards
Area Designations for Suspended Particulate Matter (PM10)*

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN				SAN DIEGO COUNTY		X	
Alpine County		X		SAN FRANCISCO BAY AREA AIR BASIN		X	
Inyo County				SAN JOAQUIN VALLEY AIR BASIN			X
- Owens Valley Planning Area	X			SOUTH CENTRAL COAST AIR BASIN		X	
- Coso Junction			X	SOUTH COAST AIR BASIN			X
- Remainder of County		X		SOUTHEAST DESERT AIR BASIN			
Mono County				Eastern Kern County			
- Mammoth Lake Planning Area			X	- Indian Wells Valley			X
- Mono Lake Basin	X			- Portion within San Joaquin Valley Planning Area	X		
- Remainder of County		X		- Remainder of County		X	
LAKE COUNTY AIR BASIN		X		Imperial County			
LAKE TAHOE AIR BASIN		X		- Imperial Valley Planning Area	X		
MOUNTAIN COUNTIES AIR BASIN				- Remainder of County		X	
Placer County (portion) (2)		X		Los Angeles County (portion)		X	
Remainder of Air Basin		X		Riverside County (portion)			
NORTH CENTRAL COAST AIR BASIN		X		- Coachella Valley (3)	X		
NORTH COAST AIR BASIN		X		- Non-AQMA portion		X	
NORTHEAST PLATEAU AIR BASIN		X		San Bernardino County			
SACRAMENTO VALLEY AIR BASIN				- Trona	X		
Butte County		X		- Remainder of County	X		
Colusa County		X					
Glenn County		X					
Placer County (portion) (2)		X					
Sacramento County (1)			X				
Shasta County		X					
Solano County (portion)		X					
Sutter County		X					
Tehama County		X					
Yolo County		X					
Yuba County		X					

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.
(1) Air quality in Sacramento County meets the national PM10 standards. The request for redesignation to attainment was approved by U.S. EPA in September 2013.
(2) U.S. EPA designation puts the Sacramento Valley Air Basin portion of Placer County in the Mountain Counties Air Basin.
(3) Air quality in Coachella Valley meets the national PM10 standards. A request for redesignation to attainment has been submitted to U.S. EPA.

FIGURE 13

Area Designations for National Ambient Air Quality Standards PM2.5
N
0 50 100 150 200 Miles
NORTH COAST
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
Humboldt
Trinity
Shasta
Lassen
Tehama
Plumas
SACRAMENTO VALLEY
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Mendocino
Nevada
LAKE COUNTY
Colusa
Yuba
Placer
Lake
Sutter
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sacramento
Alpine
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Tuolumne
GREAT BASIN VALLEYS
Contra Costa
San Joaquin
Mono
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
Fresno
NORTH CENTRAL COAST
San Benito
SAN JOAQUIN VALLEY
Inyo
Tulare
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
SOUTHEAST DESERT
Ventura
Los Angeles
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 13

National Ambient Air Quality Standards
Area Designations for Fine Particulate Matter (PM2.5)*

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN (2)	X	
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN	X	
MOUNTAIN COUNTIES AIR BASIN			SOUTH CENTRAL COAST AIR BASIN		X
Plumas County			SOUTH COAST AIR BASIN (3)	X	
- Portola Valley Portion of Plumas	X		SOUTHEAST DESERT AIR BASIN		
- Remainder of Plumas County		X	Imperial County (portion) (4)	X	
Remainder of Air Basin		X	Remainder of Air Basin		X
NORTH CENTRAL COAST AIR BASIN		X			
NORTH COAST AIR BASIN		X			
NORTHEAST PLATEAU AIR BASIN		X			
SACRAMENTO VALLEY AIR BASIN					
Sacramento Metro Area (1)	X				
Sutter County		X			
Yuba County (portion)		X			
Remainder of Air Basin		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305. This map reflects the 2006 24-hour PM2.5 standard as well as the 1997 and 2012 PM2.5 annual standards.

(1) For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(2) Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(3) Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

(4) That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

FIGURE 14

Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 14

National Ambient Air Quality Standards
Area Designations for Carbon Monoxide*

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 15

Source Date:
October 2018
Air Quality Planning and Science Division

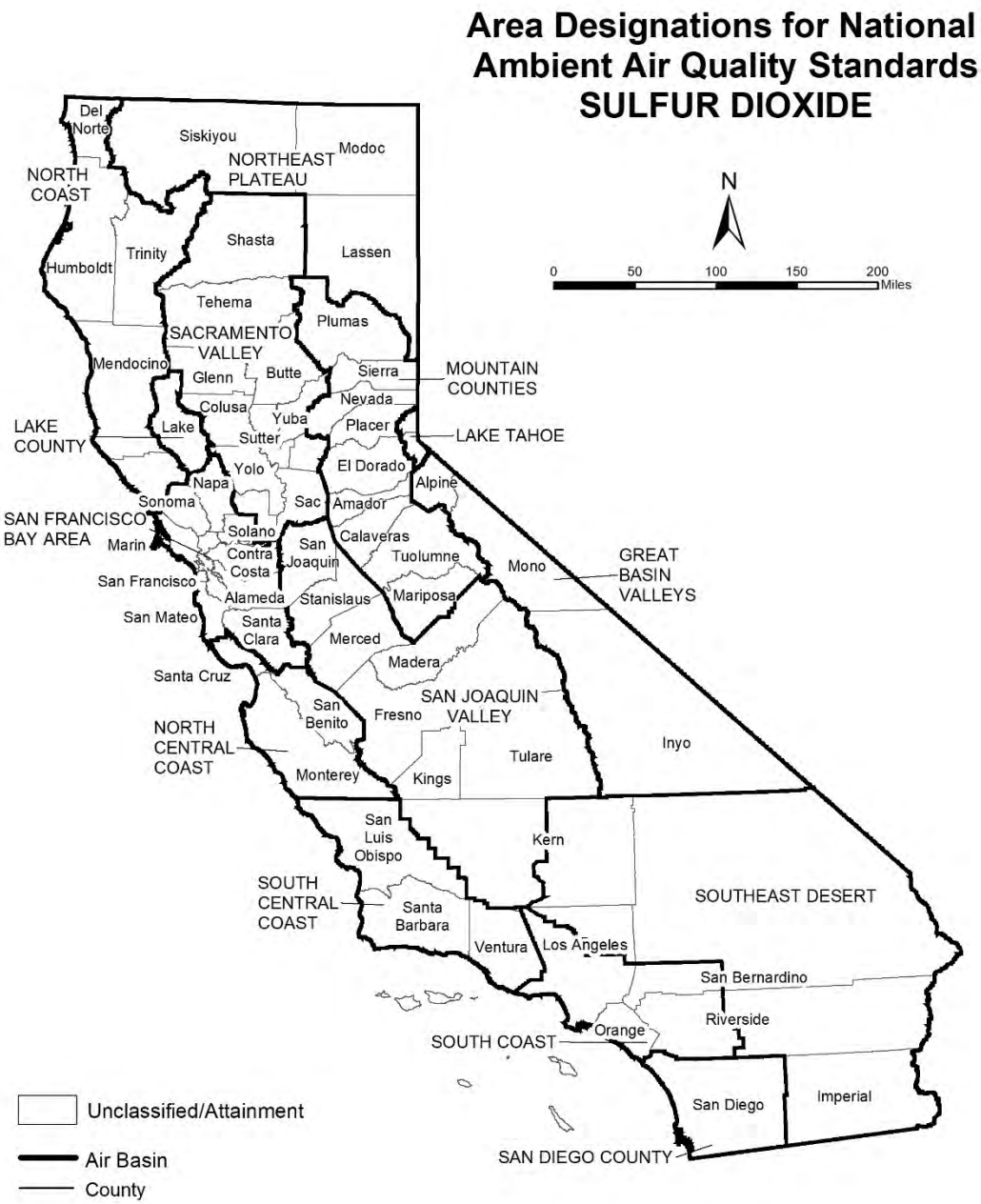
TABLE 15

National Ambient Air Quality Standards
Area Designations for Nitrogen Dioxide*

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 16



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 16

National Ambient Air Quality Standards
Area Designations for Sulfur Dioxide*

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		
LAKE COUNTY AIR BASIN		X	San Luis Obispo County		X
LAKE TAHOE AIR BASIN		X	Santa Barbara County		X
MOUNTAIN COUNTIES AIR BASIN		X	Ventura County		X
NORTH CENTRAL COAST AIR BASIN		X	Channel Islands (1)		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
SACRAMENTO VALLEY AIR BASIN		X	Imperial County		X
SAN DIEGO COUNTY		X	Remainder of Air Basin		X
SAN FRANCISCO BAY AREA AIR BASIN		X			
SAN JOAQUIN VALLEY AIR BASIN					
Fresno County		X			
Kern County (portion)		X			
Kings County		X			
Madera County		X			
Merced County		X			
San Joaquin County		X			
Stanislaus County		X			
Tulare County		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2010 1-hour SO_2 standard of 75 ppb.

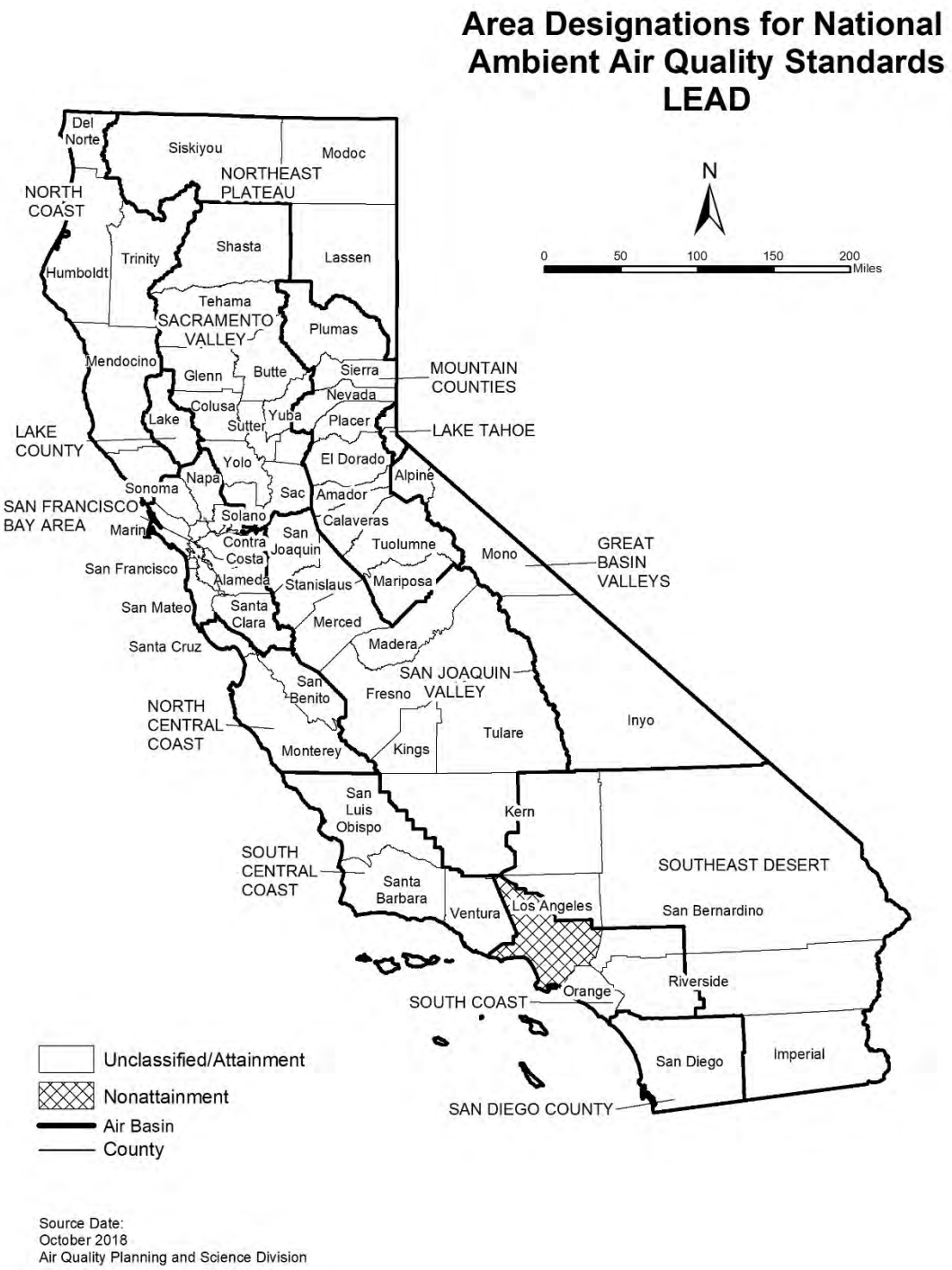
(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

FIGURE 17



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 17

National Ambient Air Quality Standards
Area Designations for Lead (particulate)

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH COAST AIR BASIN		
NORTH COAST AIR BASIN		X	Los Angeles County (portion) (1)	X	
NORTHEAST PLATEAU AIR BASIN		X	Remainder of Air Basin		X
SACRAMENTO VALLEY AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

(1) Portion of County in Air Basin, not including Channel Islands

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APPENDIX 3.1:

CALEEMOD PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUTS

Agua Mansa Commerce Center (Construction - with PDFs)

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	568.54	1000sqft	13.05	568,654.25	0
Unrefrigerated Warehouse-No Rail	342.00	1000sqft	7.86	342,333.75	0
Other Non-Asphalt Surfaces	1,659.05	1000sqft	38.09	1,659,052.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provider. As such, SCE was used and the intensity factors adjusted to reflect the RPS 2022.

Land Use - Total Project area is 59 acres

Construction Phase - Construction schedule based on consultation with the Project team

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

Off-road Equipment - Construction equipment based on consultation with the Project team

Off-road Equipment - Construction equipment based on consultation with the Project team

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Fine Grading/Site Preparation and Building Construction/Concrete Pours.

Grading - This analysis conservatively assumes that up to 20 acres will be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Tier 3 engines for all equipment; Increase watering to 4 times per day

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	75.00	150.00
tblConstructionPhase	NumDays	1,110.00	280.00
tblConstructionPhase	NumDays	110.00	60.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	3.25	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	AcresOfGrading	180.00	1,200.00
tblGrading	MaterialImported	0.00	57.00

tblLandUse	LandUseSquareFeet	568,540.00	568,654.25
tblLandUse	LandUseSquareFeet	342,000.00	342,333.75
tblLandUse	LandUseSquareFeet	1,659,050.00	1,659,052.00
tblLandUse	LotAcreage	7.85	7.86
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	534.43	0.00
tblSolidWaste	SolidWasteGenerationRate	321.48	0.00
tblTripsAndVMT	HaulingTripNumber	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	13,800.00
tblTripsAndVMT	VendorTripNumber	0.00	74.00
tblTripsAndVMT	VendorTripNumber	421.00	347.00
tblVehicleEF	HHD	1.21	0.03

tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	1.9967e-007
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7884e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6283e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	9.4499e-007
tblVehicleEF	HHD	9.3550e-003	3.4713e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8313e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	8.6888e-007
tblVehicleEF	HHD	8.5000e-005	5.0198e-006
tblVehicleEF	HHD	3.1910e-003	1.6023e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	2.9717e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9103e-004

tblVehicleEF	HHD	0.05	1.0424e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	3.4581e-007
tblVehicleEF	HHD	8.5000e-005	5.0198e-006
tblVehicleEF	HHD	3.1910e-003	1.6023e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	2.9717e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9103e-004
tblVehicleEF	HHD	0.06	1.1413e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	1.9048e-007
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5767e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1752e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03

tblVehicleEF	HHD	5.1000e-005	9.4499e-007
tblVehicleEF	HHD	7.9170e-003	3.0379e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8313e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	8.6888e-007
tblVehicleEF	HHD	1.6800e-004	9.8603e-006
tblVehicleEF	HHD	3.5970e-003	1.8208e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	6.5810e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1164e-004
tblVehicleEF	HHD	0.05	9.9742e-007
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	3.4249e-007
tblVehicleEF	HHD	1.6800e-004	9.8603e-006
tblVehicleEF	HHD	3.5970e-003	1.8208e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	6.5810e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1164e-004
tblVehicleEF	HHD	0.06	1.0921e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3683e-003
tblVehicleEF	HHD	0.10	1.9854e-007
tblVehicleEF	HHD	4.53	5.98

tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7588e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
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tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8647e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	9.4499e-007
tblVehicleEF	HHD	0.01	3.6975e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.5999e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	8.6888e-007
tblVehicleEF	HHD	8.5000e-005	5.3264e-006
tblVehicleEF	HHD	3.4760e-003	1.8668e-004
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tblVehicleEF	HHD	5.2000e-005	3.1635e-006
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2910e-004
tblVehicleEF	HHD	0.05	1.0366e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01

tblVehicleEF	HHD	8.5000e-005	3.4535e-007
tblVehicleEF	HHD	8.5000e-005	5.3264e-006
tblVehicleEF	HHD	3.4760e-003	1.8668e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.1635e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2910e-004
tblVehicleEF	HHD	0.06	1.1349e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.5205e-003
tblVehicleEF	LDA	2.2790e-003	1.8572e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7076e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05

tblVehicleEF	LDA	0.01	9.5373e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6063e-003
tblVehicleEF	LDA	5.9200e-004	5.3211e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8347e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.5205e-003
tblVehicleEF	LDA	2.2790e-003	1.8572e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7076e-003

tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8222e-003
tblVehicleEF	LDA	5.8800e-004	5.2584e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4595e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.5205e-003
tblVehicleEF	LDA	2.2790e-003	1.8572e-003
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7076e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3396e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5661e-003
tblVehicleEF	LDA	5.9100e-004	5.3221e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003

tblVehicleEF	LDT1	2.7050e-003	2.3434e-003
tblVehicleEF	LDT1	3.6920e-003	2.8386e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.1564e-003
tblVehicleEF	LDT1	3.3960e-003	2.6102e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0934e-003
tblVehicleEF	LDT1	7.7300e-004	6.4591e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4645e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
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tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11

tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.3434e-003
tblVehicleEF	LDT1	3.6920e-003	2.8386e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.1564e-003
tblVehicleEF	LDT1	3.3960e-003	2.6102e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3783e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4306e-003
tblVehicleEF	LDT1	0.02	0.08
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tblVehicleEF	LDT1	3.55	2.39

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tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.3434e-003
tblVehicleEF	LDT1	3.6920e-003	2.8386e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.1564e-003
tblVehicleEF	LDT1	3.3960e-003	2.6102e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0516e-003
tblVehicleEF	LDT1	7.7200e-004	6.4607e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4093e-003

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tblVehicleEF	LDT2	0.80	1.00
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tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.6015e-003
tblVehicleEF	LDT2	2.4170e-003	1.9239e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.4738e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2988e-003
tblVehicleEF	LDT2	8.2200e-004	6.9069e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9544e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.6015e-003
tblVehicleEF	LDT2	2.4170e-003	1.9239e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.4738e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5163e-003
tblVehicleEF	LDT2	8.1700e-004	6.8227e-004
tblVehicleEF	LDT2	0.13	0.18

tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3219e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.6015e-003
tblVehicleEF	LDT2	2.4170e-003	1.9239e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.4738e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33

tblVehicleEF	LDT2	3.4410e-003	3.2583e-003
tblVehicleEF	LDT2	8.2200e-004	6.9088e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0851e-003
tblVehicleEF	LHD1	0.01	6.1022e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.8960e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8774e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.5961e-004
tblVehicleEF	LHD1	9.2400e-004	8.5112e-004
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.5390e-003	2.4693e-003
tblVehicleEF	LHD1	0.01	9.3755e-003
tblVehicleEF	LHD1	8.8100e-004	2.3870e-004
tblVehicleEF	LHD1	3.7070e-003	3.0394e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5811e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	8.9587e-005
tblVehicleEF	LHD1	5.9760e-003	6.3567e-003
tblVehicleEF	LHD1	3.5300e-004	1.1097e-004
tblVehicleEF	LHD1	3.7070e-003	3.0394e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5811e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0986e-003
tblVehicleEF	LHD1	0.01	6.2279e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25

tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.8960e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8774e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.5961e-004
tblVehicleEF	LHD1	9.2400e-004	8.5112e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4693e-003
tblVehicleEF	LHD1	0.01	9.3755e-003
tblVehicleEF	LHD1	8.8100e-004	2.3870e-004
tblVehicleEF	LHD1	7.3080e-003	5.4783e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0454e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	8.9587e-005
tblVehicleEF	LHD1	5.9770e-003	6.3569e-003
tblVehicleEF	LHD1	3.5000e-004	1.1002e-004
tblVehicleEF	LHD1	7.3080e-003	5.4783e-003
tblVehicleEF	LHD1	0.13	0.10

tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0454e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0868e-003
tblVehicleEF	LHD1	0.01	6.1097e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.8960e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8774e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.5961e-004
tblVehicleEF	LHD1	9.2400e-004	8.5112e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4693e-003
tblVehicleEF	LHD1	0.01	9.3755e-003
tblVehicleEF	LHD1	8.8100e-004	2.3870e-004

tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	8.9587e-005
tblVehicleEF	LHD1	5.9760e-003	6.3567e-003
tblVehicleEF	LHD1	3.5200e-004	1.1085e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6951e-003
tblVehicleEF	LHD2	4.6110e-003	4.1043e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10

tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3102e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
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tblVehicleEF	LHD2	1.2280e-003	1.2536e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6557e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2586e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.1958e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3534e-004
tblVehicleEF	LHD2	5.9200e-003	6.4299e-003
tblVehicleEF	LHD2	2.6700e-004	8.6686e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.1958e-004
tblVehicleEF	LHD2	0.07	0.07

tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7049e-003
tblVehicleEF	LHD2	4.6760e-003	4.1458e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3102e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3689e-004
tblVehicleEF	LHD2	1.2280e-003	1.2536e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6557e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2586e-004
tblVehicleEF	LHD2	2.5220e-003	3.0729e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02

tblVehicleEF	LHD2	1.5220e-003	1.7625e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3534e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6075e-005
tblVehicleEF	LHD2	2.5220e-003	3.0729e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7625e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6963e-003
tblVehicleEF	LHD2	4.6180e-003	4.1077e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3102e-003

tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3689e-004
tblVehicleEF	LHD2	1.2280e-003	1.2536e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6557e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2586e-004
tblVehicleEF	LHD2	1.3460e-003	1.7143e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2205e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3534e-004
tblVehicleEF	LHD2	5.9200e-003	6.4299e-003
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tblVehicleEF	LHD2	1.3460e-003	1.7143e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2205e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34

tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.9647e-003
tblVehicleEF	MCY	3.6730e-003	2.9599e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7420e-003	1.8375e-003
tblVehicleEF	MCY	3.4650e-003	2.7874e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0983e-003
tblVehicleEF	MCY	6.9000e-004	6.0098e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87

tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.9647e-003
tblVehicleEF	MCY	3.6730e-003	2.9599e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7420e-003	1.8375e-003
tblVehicleEF	MCY	3.4650e-003	2.7874e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0969e-003
tblVehicleEF	MCY	6.6700e-004	5.8265e-004
tblVehicleEF	MCY	3.14	2.77

tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.9647e-003
tblVehicleEF	MCY	3.6730e-003	2.9599e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7420e-003	1.8375e-003
tblVehicleEF	MCY	3.4650e-003	2.7874e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81

tblVehicleEF	MCY	2.0610e-003	2.0897e-003
tblVehicleEF	MCY	6.8200e-004	5.9755e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5203e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0314e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5536e-003
tblVehicleEF	MDV	2.3150e-003	1.8682e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10

tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0782e-003
tblVehicleEF	MDV	1.1370e-003	8.5856e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2114e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0314e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5536e-003
tblVehicleEF	MDV	2.3150e-003	1.8682e-003

tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3078e-003
tblVehicleEF	MDV	1.1260e-003	8.4816e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4045e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0314e-003
tblVehicleEF	MDV	0.02	0.02

tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5536e-003
tblVehicleEF	MDV	2.3150e-003	1.8682e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0355e-003
tblVehicleEF	MDV	1.1360e-003	8.5880e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6581e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1719e-003
tblVehicleEF	MH	7.0700e-004	0.00
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tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6581e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
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tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00

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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1719e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
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tblVehicleEF	MH	6.36	0.00

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tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1719e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5069e-003

tblVehicleEF	MHD	3.5160e-003	3.3212e-003
tblVehicleEF	MHD	0.05	6.4668e-003
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tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	3.8600e-004	1.2312e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5272e-005
tblVehicleEF	MHD	3.6900e-004	1.1779e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9210e-005
tblVehicleEF	MHD	1.2800e-003	4.5316e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.3989e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08

tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5313e-004
tblVehicleEF	MHD	0.01	9.2622e-003
tblVehicleEF	MHD	6.1700e-004	6.2867e-005
tblVehicleEF	MHD	1.2800e-003	4.5316e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.3989e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3863e-003
tblVehicleEF	MHD	3.5800e-003	3.3448e-003
tblVehicleEF	MHD	0.05	6.2099e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0407e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.04

tblVehicleEF	MHD	7.6400e-004	7.5272e-005
tblVehicleEF	MHD	3.1100e-004	9.9566e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
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tblVehicleEF	MHD	1.5010e-003	4.7790e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5949e-004
tblVehicleEF	MHD	0.01	9.2622e-003
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tblVehicleEF	MHD	2.5300e-003	8.2827e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7790e-004
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tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6832e-003
tblVehicleEF	MHD	3.5220e-003	3.3212e-003
tblVehicleEF	MHD	0.05	6.4198e-003
tblVehicleEF	MHD	0.45	0.37

tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
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tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4942e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
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tblVehicleEF	MHD	4.4900e-004	1.4296e-003
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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
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tblVehicleEF	MHD	1.3890e-003	4.7067e-004
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tblVehicleEF	MHD	0.02	0.09
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tblVehicleEF	MHD	1.3860e-003	6.4431e-004
tblVehicleEF	MHD	0.01	9.2622e-003

tblVehicleEF	MHD	6.1600e-004	6.2769e-005
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tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4401e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
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tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
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tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8943e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1817e-004
tblVehicleEF	OBUS	6.1000e-005	5.6393e-004
tblVehicleEF	OBUS	0.06	0.06

tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
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tblVehicleEF	OBUS	6.8400e-004	7.2525e-004
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tblVehicleEF	OBUS	2.1800e-003	2.6021e-003
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1161e-003
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tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
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tblVehicleEF	OBUS	5.4000e-005	5.0096e-004
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1817e-004
tblVehicleEF	OBUS	5.1000e-005	4.7929e-004
tblVehicleEF	OBUS	0.06	0.06
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tblVehicleEF	OBUS	0.05	0.07
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
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tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2746e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0284e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1655e-003
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tblVehicleEF	SBUS	1,258.13	345.06
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tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.9546e-005
tblVehicleEF	SBUS	0.01	4.1693e-003
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tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
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tblVehicleEF	SBUS	2.9260e-003	1.2417e-003
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tblVehicleEF	SBUS	4.6300e-004	4.7406e-005
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tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6811e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.9546e-005
tblVehicleEF	SBUS	9.6490e-003	3.5218e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6361e-005
tblVehicleEF	SBUS	5.6170e-003	2.2078e-003
tblVehicleEF	SBUS	0.02	9.9848e-003
tblVehicleEF	SBUS	0.67	0.28

tblVehicleEF	SBUS	2.8800e-003	1.1133e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3635e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.3656e-005
tblVehicleEF	SBUS	5.6170e-003	2.2078e-003
tblVehicleEF	SBUS	0.02	9.9848e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1133e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5765e-003
tblVehicleEF	SBUS	0.07	6.3442e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2923e-003

tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.9546e-005
tblVehicleEF	SBUS	0.01	5.0633e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6361e-005
tblVehicleEF	SBUS	2.9580e-003	1.2073e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0130e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1854e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8025e-005
tblVehicleEF	SBUS	2.9580e-003	1.2073e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0130e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45

tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6547e-003
tblVehicleEF	UBUS	1.4030e-003	1.4136e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.06	2.5281e-003
tblVehicleEF	UBUS	1.2900e-003	1.2997e-004
tblVehicleEF	UBUS	8.0860e-003	1.6779e-003
tblVehicleEF	UBUS	0.11	9.5389e-003
tblVehicleEF	UBUS	3.9450e-003	7.3721e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0254e-003
tblVehicleEF	UBUS	1.6240e-003	1.1651e-004
tblVehicleEF	UBUS	8.0860e-003	1.6779e-003
tblVehicleEF	UBUS	0.11	9.5389e-003
tblVehicleEF	UBUS	3.9450e-003	7.3721e-004
tblVehicleEF	UBUS	2.50	4.54

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2353e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6547e-003
tblVehicleEF	UBUS	1.4030e-003	1.4136e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.06	2.5281e-003
tblVehicleEF	UBUS	1.2900e-003	1.2997e-004
tblVehicleEF	UBUS	0.02	3.0607e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4842e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0254e-003
tblVehicleEF	UBUS	1.5790e-003	1.1434e-004
tblVehicleEF	UBUS	0.02	3.0607e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4842e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6547e-003
tblVehicleEF	UBUS	1.4030e-003	1.4136e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.06	2.5281e-003
tblVehicleEF	UBUS	1.2900e-003	1.2997e-004
tblVehicleEF	UBUS	9.2250e-003	1.6874e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4483e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04

tblVehicleEF	UBUS	0.01	3.0254e-003
tblVehicleEF	UBUS	1.6160e-003	1.1672e-004
tblVehicleEF	UBUS	9.2250e-003	1.6874e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4483e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	41.00	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	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00

tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	131,474,875.00	0.00
tblWater	IndoorWaterUseRate	79,087,500.00	0.00

2.0 Emissions Summary

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					
2021	12.9006	116.0258	89.0971	0.3365	46.0542	3.7169	49.7711	15.7423	3.4200	19.1623	0.0000	33,976.2434	33,976.2434	3.4199	0.0000	34,061.7398
2022	65.4608	107.1099	94.5170	0.3577	17.6381	2.8220	20.4601	4.7344	2.6415	7.3759	0.0000	36,071.3211	36,071.3211	3.4319	0.0000	36,157.1190
Maximum	**65.4608**	**116.0258**	**94.5170**	**0.3577**	**46.0542**	**3.7169**	**49.7711**	**15.7423**	**3.4200**	**19.1623**	**0.0000**	**36,071.3211**	**36,071.3211**	**3.4319**	**0.0000**	**36,157.1190**

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					
2021	8.8152	90.5061	102.0079	0.3365	20.5757	2.2103	22.7860	5.4078	2.2003	7.6081	0.0000	33,976.2434	33,976.2434	3.4199	0.0000	34,061.7398
2022	61.8169	89.9261	108.5037	0.3577	17.6381	2.3352	19.9733	4.7344	2.3248	7.0592	0.0000	36,071.3211	36,071.3211	3.4319	0.0000	36,157.1190
Maximum	**61.8169**	**90.5061**	**108.5037**	**0.3577**	**20.5757**	**2.3352**	**22.7860**	**5.4078**	**2.3248**	**7.6081**	**0.0000**	**36,071.3211**	**36,071.3211**	**3.4319**	**0.0000**	**36,157.1190**

	ROG	NOx	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	**9.86**	**19.14**	**-14.65**	**0.00**	**40.00**	**30.49**	**39.12**	**50.47**	**25.35**	**44.73**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	21.0897	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**21.0897**	**2.4000e-003**	**0.2628**	**2.0000e-005**	**0.0000**	**9.4000e-004**	**9.4000e-004**	**0.0000**	**9.4000e-004**	**9.4000e-004**		**0.5624**	**0.5624**	**1.4800e-003**	**0.0000**	**0.5995**

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	21.0897	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**21.0897**	**2.4000e-003**	**0.2628**	**2.0000e-005**	**0.0000**	**9.4000e-004**	**9.4000e-004**	**0.0000**	**9.4000e-004**	**9.4000e-004**		**0.5624**	**0.5624**	**1.4800e-003**	**0.0000**	**0.5995**

	ROG	NOx	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	Fine Grading/Site Preparation	Grading	8/28/2021	11/19/2021	5	60	
2	Building Construction/Concrete Pours	Building Construction	11/20/2021	12/16/2022	5	280	
3	Architectural Coating	Architectural Coating	5/21/2022	12/16/2022	5	150	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 38.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,366,482; Non-Residential Outdoor: 455,494; Striped Parking Area: 99,543 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Fine Grading/Site Preparation	Crawler Tractors	6	8.00	212	0.43
Fine Grading/Site Preparation	Excavators	0	8.00	158	0.38
Fine Grading/Site Preparation	Graders	0	8.00	187	0.41
Fine Grading/Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Fine Grading/Site Preparation	Scrapers	0	8.00	367	0.48
Fine Grading/Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction/Concrete Pours	Cranes	2	8.00	231	0.29
Building Construction/Concrete Pours	Crawler Tractors	6	8.00	212	0.43
Building Construction/Concrete Pours	Forklifts	6	8.00	89	0.20
Building Construction/Concrete Pours	Generator Sets	2	8.00	84	0.74
Building Construction/Concrete Pours	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction/Concrete Pours	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	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
Fine Grading/Site Preparation	10	25.00	74.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction/Concrete	18	1,079.00	347.00	13,800.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	216.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Fine Grading/Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					45.2985	0.0000	45.2985	15.5311	0.0000	15.5311			0.0000			0.0000
Off-Road	7.4910	85.6935	30.7616	0.0812		3.7028	3.7028		3.4066	3.4066		7,871.5810	7,871.5810	2.5458		7,935.2267
Total	**7.4910**	**85.6935**	**30.7616**	**0.0812**	**45.2985**	**3.7028**	**49.0012**	**15.5311**	**3.4066**	**18.9377**		**7,871.5810**	**7,871.5810**	**2.5458**		**7,935.2267**

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	7.9000e-004	0.0304	4.7100e-003	1.0000e-004	2.3300e-003	9.0000e-005	2.4200e-003	6.4000e-004	8.0000e-005	7.2000e-004		11.0025	11.0025	5.9000e-004		11.0173
Vendor	0.1915	7.1364	1.3428	0.0200	0.4740	0.0122	0.4862	0.1365	0.0117	0.1482		2,105.9609	2,105.9609	0.1331		2,109.2881
Worker	0.1270	0.0785	1.0350	2.7500e-003	0.2794	1.7900e-003	0.2812	0.0741	1.6500e-003	0.0758		273.5201	273.5201	7.7800e-003		273.7148
Total	**0.3193**	**7.2453**	**2.3825**	**0.0228**	**0.7557**	**0.0141**	**0.7698**	**0.2112**	**0.0134**	**0.2247**		**2,390.4835**	**2,390.4835**	**0.1415**		**2,394.0201**

3.2 Fine Grading/Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.7776	0.0000	11.7776	4.0381	0.0000	4.0381			0.0000			0.0000
Off-Road	1.9940	38.5511	43.2038	0.0812		1.4623	1.4623		1.4623	1.4623	0.0000	7,871.5810	7,871.5810	2.5458		7,935.2267
Total	**1.9940**	**38.5511**	**43.2038**	**0.0812**	**11.7776**	**1.4623**	**13.2399**	**4.0381**	**1.4623**	**5.5004**	**0.0000**	**7,871.5810**	**7,871.5810**	**2.5458**		**7,935.2267**

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	7.9000e-004	0.0304	4.7100e-003	1.0000e-004	2.3300e-003	9.0000e-005	2.4200e-003	6.4000e-004	8.0000e-005	7.2000e-004		11.0025	11.0025	5.9000e-004		11.0173
Vendor	0.1915	7.1364	1.3428	0.0200	0.4740	0.0122	0.4862	0.1365	0.0117	0.1482		2,105.9609	2,105.9609	0.1331		2,109.2881
Worker	0.1270	0.0785	1.0350	2.7500e-003	0.2794	1.7900e-003	0.2812	0.0741	1.6500e-003	0.0758		273.5201	273.5201	7.7800e-003		273.7148
Total	**0.3193**	**7.2453**	**2.3825**	**0.0228**	**0.7557**	**0.0141**	**0.7698**	**0.2112**	**0.0134**	**0.2247**		**2,390.4835**	**2,390.4835**	**0.1415**		**2,394.0201**

3.3 Building Construction/Concrete Pours - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2274	67.9319	36.3904	0.0861		2.9526	2.9526		2.7551	2.7551		8,228.8593	8,228.8593	2.2418		8,284.9041
Total	**6.2274**	**67.9319**	**36.3904**	**0.0861**		**2.9526**	**2.9526**		**2.7551**	**2.7551**		**8,228.8593**	**8,228.8593**	**2.2418**		**8,284.9041**

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	0.2929	11.2414	1.7411	0.0383	6.2926	0.0318	6.3244	1.5693	0.0304	1.5997		4,067.0063	4,067.0063	0.2180		4,072.4565
Vendor	0.8980	33.4638	6.2968	0.0936	2.2224	0.0574	2.2798	0.6399	0.0549	0.6948		9,875.2490	9,875.2490	0.6241		9,890.8507
Worker	5.4823	3.3887	44.6688	0.1186	12.0607	0.0771	12.1378	3.1986	0.0710	3.2696		11,805.1288	11,805.1288	0.3360		11,813.5285
Total	**6.6732**	**48.0939**	**52.7067**	**0.2505**	**20.5757**	**0.1663**	**20.7420**	**5.4078**	**0.1563**	**5.5641**		**25,747.3841**	**25,747.3841**	**1.1781**		**25,776.8358**

3.3 Building Construction/Concrete Pours - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1421	42.4122	49.3012	0.0861		2.0440	2.0440		2.0440	2.0440	0.0000	8,228.8593	8,228.8593	2.2418		8,284.9041
Total	**2.1421**	**42.4122**	**49.3012**	**0.0861**		**2.0440**	**2.0440**		**2.0440**	**2.0440**	**0.0000**	**8,228.8593**	**8,228.8593**	**2.2418**		**8,284.9041**

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	0.2929	11.2414	1.7411	0.0383	6.2926	0.0318	6.3244	1.5693	0.0304	1.5997		4,067.0063	4,067.0063	0.2180		4,072.4565
Vendor	0.8980	33.4638	6.2968	0.0936	2.2224	0.0574	2.2798	0.6399	0.0549	0.6948		9,875.2490	9,875.2490	0.6241		9,890.8507
Worker	5.4823	3.3887	44.6688	0.1186	12.0607	0.0771	12.1378	3.1986	0.0710	3.2696		11,805.1288	11,805.1288	0.3360		11,813.5285
Total	**6.6732**	**48.0939**	**52.7067**	**0.2505**	**20.5757**	**0.1663**	**20.7420**	**5.4078**	**0.1563**	**5.5641**		**25,747.3841**	**25,747.3841**	**1.1781**		**25,776.8358**

3.3 Building Construction/Concrete Pours - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.5925	59.5273	35.3396	0.0860		2.5486	2.5486		2.3785	2.3785		8,221.0644	8,221.0644	2.2305		8,276.8270
Total	**5.5925**	**59.5273**	**35.3396**	**0.0860**		**2.5486**	**2.5486**		**2.3785**	**2.3785**		**8,221.0644**	**8,221.0644**	**2.2305**		**8,276.8270**

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	0.2769	10.3105	1.6880	0.0379	0.9407	0.0264	0.9670	0.2557	0.0252	0.2809		4,021.8182	4,021.8182	0.2128		4,027.1384
Vendor	0.8365	31.7373	5.8218	0.0928	2.2224	0.0482	2.2706	0.6399	0.0461	0.6860		9,796.0731	9,796.0731	0.6025		9,811.1348
Worker	5.1198	3.0468	41.0349	0.1142	12.0607	0.0749	12.1356	3.1986	0.0690	3.2675		11,379.1601	11,379.1601	0.3014		11,386.6944
Total	**6.2331**	**45.0947**	**48.5447**	**0.2449**	**15.2238**	**0.1494**	**15.3732**	**4.0941**	**0.1402**	**4.2344**		**25,197.0514**	**25,197.0514**	**1.1167**		**25,224.9677**

3.3 Building Construction/Concrete Pours - 2022

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	2.1421	42.4122	49.3012	0.0860		2.0440	2.0440		2.0440	2.0440	0.0000	8,221.0644	8,221.0644	2.2305		8,276.8270
Total	**2.1421**	**42.4122**	**49.3012**	**0.0860**		**2.0440**	**2.0440**		**2.0440**	**2.0440**	**0.0000**	**8,221.0644**	**8,221.0644**	**2.2305**		**8,276.8270**

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	0.2769	10.3105	1.6880	0.0379	0.9407	0.0264	0.9670	0.2557	0.0252	0.2809		4,021.8182	4,021.8182	0.2128		4,027.1384
Vendor	0.8365	31.7373	5.8218	0.0928	2.2224	0.0482	2.2706	0.6399	0.0461	0.6860		9,796.0731	9,796.0731	0.6025		9,811.1348
Worker	5.1198	3.0468	41.0349	0.1142	12.0607	0.0749	12.1356	3.1986	0.0690	3.2675		11,379.1601	11,379.1601	0.3014		11,386.6944
Total	**6.2331**	**45.0947**	**48.5447**	**0.2449**	**15.2238**	**0.1494**	**15.3732**	**4.0941**	**0.1402**	**4.2344**		**25,197.0514**	**25,197.0514**	**1.1167**		**25,224.9677**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	52.3376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**52.6103**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

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
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
Worker	1.0249	0.6099	8.2146	0.0229	2.4144	0.0150	2.4294	0.6403	0.0138	0.6541		2,277.9412	2,277.9412	0.0603		2,279.4495
Total	**1.0249**	**0.6099**	**8.2146**	**0.0229**	**2.4144**	**0.0150**	**2.4294**	**0.6403**	**0.0138**	**0.6541**		**2,277.9412**	**2,277.9412**	**0.0603**		**2,279.4495**

3.4 Architectural Coating - 2022

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	52.3376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**52.4168**	**1.8093**	**2.4432**	**3.9600e-003**		**0.1268**	**0.1268**		**0.1268**	**0.1268**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

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
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
Worker	1.0249	0.6099	8.2146	0.0229	2.4144	0.0150	2.4294	0.6403	0.0138	0.6541		2,277.9412	2,277.9412	0.0603		2,279.4495
Total	**1.0249**	**0.6099**	**8.2146**	**0.0229**	**2.4144**	**0.0150**	**2.4294**	**0.6403**	**0.0138**	**0.6541**		**2,277.9412**	**2,277.9412**	**0.0603**		**2,279.4495**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	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
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**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	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
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**

6.0 Area Detail

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	21.0897	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Unmitigated	21.0897	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995

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	2.4401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0244	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Total	**21.0897**	**2.4000e-003**	**0.2628**	**2.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**		**0.5624**	**0.5624**	**1.4800e-003**		**0.5995**

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	2.4401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0244	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Total	**21.0897**	**2.4000e-003**	**0.2628**	**2.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**		**0.5624**	**0.5624**	**1.4800e-003**		**0.5995**

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

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

Agua Mansa Commerce Center (Construction - with PDFs)

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	568.54	1000sqft	13.05	568,654.25	0
Unrefrigerated Warehouse-No Rail	342.00	1000sqft	7.86	342,333.75	0
Other Non-Asphalt Surfaces	1,659.05	1000sqft	38.09	1,659,052.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provider. As such, SCE was used and the intensity factors adjusted to reflect the RPS 2022.

Land Use - Total Project area is 59 acres

Construction Phase - Construction schedule based on consultation with the Project team

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

Off-road Equipment - Construction equipment based on consultation with the Project team

Off-road Equipment - Construction equipment based on consultation with the Project team

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Fine Grading/Site Preparation and Building Construction/Concrete Pours.

Grading - This analysis conservatively assumes that up to 20 acres will be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Tier 3 engines for all equipment; Increase watering to 4 times per day

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	75.00	150.00
tblConstructionPhase	NumDays	1,110.00	280.00
tblConstructionPhase	NumDays	110.00	60.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	1.06	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	3.25	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	AcresOfGrading	180.00	1,200.00
tblGrading	MaterialImported	0.00	57.00

tblLandUse	LandUseSquareFeet	568,540.00	568,654.25
tblLandUse	LandUseSquareFeet	342,000.00	342,333.75
tblLandUse	LandUseSquareFeet	1,659,050.00	1,659,052.00
tblLandUse	LotAcreage	7.85	7.86
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	534.43	0.00
tblSolidWaste	SolidWasteGenerationRate	321.48	0.00
tblTripsAndVMT	HaulingTripNumber	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	13,800.00
tblTripsAndVMT	VendorTripNumber	0.00	74.00
tblTripsAndVMT	VendorTripNumber	421.00	347.00
tblVehicleEF	HHD	1.21	0.03

tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	1.9967e-007
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7884e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6283e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	9.4499e-007
tblVehicleEF	HHD	9.3550e-003	3.4713e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8313e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	8.6888e-007
tblVehicleEF	HHD	8.5000e-005	5.0198e-006
tblVehicleEF	HHD	3.1910e-003	1.6023e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	2.9717e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9103e-004

tblVehicleEF	HHD	0.05	1.0424e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	3.4581e-007
tblVehicleEF	HHD	8.5000e-005	5.0198e-006
tblVehicleEF	HHD	3.1910e-003	1.6023e-004
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tblVehicleEF	HHD	5.2000e-005	2.9717e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9103e-004
tblVehicleEF	HHD	0.06	1.1413e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	1.9048e-007
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5767e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1752e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03

tblVehicleEF	HHD	5.1000e-005	9.4499e-007
tblVehicleEF	HHD	7.9170e-003	3.0379e-003
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tblVehicleEF	HHD	8.8810e-003	8.8313e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	8.6888e-007
tblVehicleEF	HHD	1.6800e-004	9.8603e-006
tblVehicleEF	HHD	3.5970e-003	1.8208e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	6.5810e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1164e-004
tblVehicleEF	HHD	0.05	9.9742e-007
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	3.4249e-007
tblVehicleEF	HHD	1.6800e-004	9.8603e-006
tblVehicleEF	HHD	3.5970e-003	1.8208e-004
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tblVehicleEF	HHD	1.1700e-004	6.5810e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1164e-004
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tblVehicleEF	HHD	0.04	3.3683e-003
tblVehicleEF	HHD	0.10	1.9854e-007
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tblVehicleEF	HHD	1.79	3.7588e-003
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tblVehicleEF	HHD	2.46	3.28
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	9.4499e-007
tblVehicleEF	HHD	0.01	3.6975e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.5999e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	8.6888e-007
tblVehicleEF	HHD	8.5000e-005	5.3264e-006
tblVehicleEF	HHD	3.4760e-003	1.8668e-004
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tblVehicleEF	HHD	5.2000e-005	3.1635e-006
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2910e-004
tblVehicleEF	HHD	0.05	1.0366e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01

tblVehicleEF	HHD	8.5000e-005	3.4535e-007
tblVehicleEF	HHD	8.5000e-005	5.3264e-006
tblVehicleEF	HHD	3.4760e-003	1.8668e-004
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tblVehicleEF	HHD	5.2000e-005	3.1635e-006
tblVehicleEF	HHD	0.13	0.08
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tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
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tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.5205e-003
tblVehicleEF	LDA	2.2790e-003	1.8572e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7076e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05

tblVehicleEF	LDA	0.01	9.5373e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6063e-003
tblVehicleEF	LDA	5.9200e-004	5.3211e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDA	4.6890e-003	0.04
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tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.5205e-003
tblVehicleEF	LDA	2.2790e-003	1.8572e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7076e-003

tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8222e-003
tblVehicleEF	LDA	5.8800e-004	5.2584e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4595e-003
tblVehicleEF	LDA	5.5870e-003	0.05
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tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
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tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6780e-003	1.5205e-003
tblVehicleEF	LDA	2.2790e-003	1.8572e-003
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7076e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3396e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
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tblVehicleEF	LDA	5.9100e-004	5.3221e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003

tblVehicleEF	LDT1	2.7050e-003	2.3434e-003
tblVehicleEF	LDT1	3.6920e-003	2.8386e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.1564e-003
tblVehicleEF	LDT1	3.3960e-003	2.6102e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0934e-003
tblVehicleEF	LDT1	7.7300e-004	6.4591e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4645e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11

tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.3434e-003
tblVehicleEF	LDT1	3.6920e-003	2.8386e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.1564e-003
tblVehicleEF	LDT1	3.3960e-003	2.6102e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3783e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4306e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39

tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.7050e-003	2.3434e-003
tblVehicleEF	LDT1	3.6920e-003	2.8386e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.4910e-003	2.1564e-003
tblVehicleEF	LDT1	3.3960e-003	2.6102e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0516e-003
tblVehicleEF	LDT1	7.7200e-004	6.4607e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4093e-003

tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.6015e-003
tblVehicleEF	LDT2	2.4170e-003	1.9239e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.4738e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2988e-003
tblVehicleEF	LDT2	8.2200e-004	6.9069e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9544e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.6015e-003
tblVehicleEF	LDT2	2.4170e-003	1.9239e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.4738e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5163e-003
tblVehicleEF	LDT2	8.1700e-004	6.8227e-004
tblVehicleEF	LDT2	0.13	0.18

tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3219e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.6015e-003
tblVehicleEF	LDT2	2.4170e-003	1.9239e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.4738e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33

tblVehicleEF	LDT2	3.4410e-003	3.2583e-003
tblVehicleEF	LDT2	8.2200e-004	6.9088e-004
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tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0851e-003
tblVehicleEF	LHD1	0.01	6.1022e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.8960e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8774e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.5961e-004
tblVehicleEF	LHD1	9.2400e-004	8.5112e-004
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.5390e-003	2.4693e-003
tblVehicleEF	LHD1	0.01	9.3755e-003
tblVehicleEF	LHD1	8.8100e-004	2.3870e-004
tblVehicleEF	LHD1	3.7070e-003	3.0394e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5811e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	8.9587e-005
tblVehicleEF	LHD1	5.9760e-003	6.3567e-003
tblVehicleEF	LHD1	3.5300e-004	1.1097e-004
tblVehicleEF	LHD1	3.7070e-003	3.0394e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5811e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0986e-003
tblVehicleEF	LHD1	0.01	6.2279e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25

tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.8960e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8774e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.5961e-004
tblVehicleEF	LHD1	9.2400e-004	8.5112e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4693e-003
tblVehicleEF	LHD1	0.01	9.3755e-003
tblVehicleEF	LHD1	8.8100e-004	2.3870e-004
tblVehicleEF	LHD1	7.3080e-003	5.4783e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0454e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	8.9587e-005
tblVehicleEF	LHD1	5.9770e-003	6.3569e-003
tblVehicleEF	LHD1	3.5000e-004	1.1002e-004
tblVehicleEF	LHD1	7.3080e-003	5.4783e-003
tblVehicleEF	LHD1	0.13	0.10

tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0454e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0868e-003
tblVehicleEF	LHD1	0.01	6.1097e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.8960e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8774e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.5961e-004
tblVehicleEF	LHD1	9.2400e-004	8.5112e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4693e-003
tblVehicleEF	LHD1	0.01	9.3755e-003
tblVehicleEF	LHD1	8.8100e-004	2.3870e-004

tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	8.9587e-005
tblVehicleEF	LHD1	5.9760e-003	6.3567e-003
tblVehicleEF	LHD1	3.5200e-004	1.1085e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6951e-003
tblVehicleEF	LHD2	4.6110e-003	4.1043e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10

tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3102e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3689e-004
tblVehicleEF	LHD2	1.2280e-003	1.2536e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6557e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2586e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.1958e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3534e-004
tblVehicleEF	LHD2	5.9200e-003	6.4299e-003
tblVehicleEF	LHD2	2.6700e-004	8.6686e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.1958e-004
tblVehicleEF	LHD2	0.07	0.07

tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7049e-003
tblVehicleEF	LHD2	4.6760e-003	4.1458e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
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tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3102e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3689e-004
tblVehicleEF	LHD2	1.2280e-003	1.2536e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6557e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2586e-004
tblVehicleEF	LHD2	2.5220e-003	3.0729e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02

tblVehicleEF	LHD2	1.5220e-003	1.7625e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3534e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6075e-005
tblVehicleEF	LHD2	2.5220e-003	3.0729e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7625e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6963e-003
tblVehicleEF	LHD2	4.6180e-003	4.1077e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3102e-003

tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3689e-004
tblVehicleEF	LHD2	1.2280e-003	1.2536e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6557e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2586e-004
tblVehicleEF	LHD2	1.3460e-003	1.7143e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2205e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3534e-004
tblVehicleEF	LHD2	5.9200e-003	6.4299e-003
tblVehicleEF	LHD2	2.6600e-004	8.6614e-005
tblVehicleEF	LHD2	1.3460e-003	1.7143e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2205e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34

tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.9647e-003
tblVehicleEF	MCY	3.6730e-003	2.9599e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7420e-003	1.8375e-003
tblVehicleEF	MCY	3.4650e-003	2.7874e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0983e-003
tblVehicleEF	MCY	6.9000e-004	6.0098e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87

tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.9647e-003
tblVehicleEF	MCY	3.6730e-003	2.9599e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7420e-003	1.8375e-003
tblVehicleEF	MCY	3.4650e-003	2.7874e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0969e-003
tblVehicleEF	MCY	6.6700e-004	5.8265e-004
tblVehicleEF	MCY	3.14	2.77

tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.9647e-003
tblVehicleEF	MCY	3.6730e-003	2.9599e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7420e-003	1.8375e-003
tblVehicleEF	MCY	3.4650e-003	2.7874e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81

tblVehicleEF	MCY	2.0610e-003	2.0897e-003
tblVehicleEF	MCY	6.8200e-004	5.9755e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5203e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0314e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5536e-003
tblVehicleEF	MDV	2.3150e-003	1.8682e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10

tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0782e-003
tblVehicleEF	MDV	1.1370e-003	8.5856e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2114e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0314e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5536e-003
tblVehicleEF	MDV	2.3150e-003	1.8682e-003

tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3078e-003
tblVehicleEF	MDV	1.1260e-003	8.4816e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4045e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0314e-003
tblVehicleEF	MDV	0.02	0.02

tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5536e-003
tblVehicleEF	MDV	2.3150e-003	1.8682e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0355e-003
tblVehicleEF	MDV	1.1360e-003	8.5880e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6581e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1719e-003
tblVehicleEF	MH	7.0700e-004	0.00
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tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6581e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00

tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1719e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6581e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00

tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1719e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5069e-003

tblVehicleEF	MHD	3.5160e-003	3.3212e-003
tblVehicleEF	MHD	0.05	6.4668e-003
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tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
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tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2312e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
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tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
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tblVehicleEF	MHD	0.02	0.02
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tblVehicleEF	MHD	0.02	0.08

tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5313e-004
tblVehicleEF	MHD	0.01	9.2622e-003
tblVehicleEF	MHD	6.1700e-004	6.2867e-005
tblVehicleEF	MHD	1.2800e-003	4.5316e-004
tblVehicleEF	MHD	0.04	0.01
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tblVehicleEF	MHD	6.5100e-004	2.3989e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3863e-003
tblVehicleEF	MHD	3.5800e-003	3.3448e-003
tblVehicleEF	MHD	0.05	6.2099e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
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tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0407e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.04

tblVehicleEF	MHD	7.6400e-004	7.5272e-005
tblVehicleEF	MHD	3.1100e-004	9.9566e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9210e-005
tblVehicleEF	MHD	2.5300e-003	8.2827e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7790e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5949e-004
tblVehicleEF	MHD	0.01	9.2622e-003
tblVehicleEF	MHD	6.1100e-004	6.2166e-005
tblVehicleEF	MHD	2.5300e-003	8.2827e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7790e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6832e-003
tblVehicleEF	MHD	3.5220e-003	3.3212e-003
tblVehicleEF	MHD	0.05	6.4198e-003
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tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4942e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5272e-005
tblVehicleEF	MHD	4.4900e-004	1.4296e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9210e-005
tblVehicleEF	MHD	1.3890e-003	4.7067e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4401e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4431e-004
tblVehicleEF	MHD	0.01	9.2622e-003

tblVehicleEF	MHD	6.1600e-004	6.2769e-005
tblVehicleEF	MHD	1.3890e-003	4.7067e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4401e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	1,121.50	1,406.90
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tblVehicleEF	OBUS	0.28	0.34
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tblVehicleEF	OBUS	1.93	0.68
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tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1817e-004
tblVehicleEF	OBUS	6.1000e-005	5.6393e-004
tblVehicleEF	OBUS	0.06	0.06

tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
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tblVehicleEF	OBUS	8.5400e-004	2.0060e-004
tblVehicleEF	OBUS	2.1800e-003	2.6021e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1161e-003
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tblVehicleEF	OBUS	6.8400e-004	7.2525e-004
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tblVehicleEF	OBUS	2.1800e-003	2.6021e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
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tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8754e-003
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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90

tblVehicleEF	OBUS	1,121.50	1,406.93
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tblVehicleEF	OBUS	5.4000e-005	5.0096e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1817e-004
tblVehicleEF	OBUS	5.1000e-005	4.7929e-004
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tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0060e-004
tblVehicleEF	OBUS	4.2350e-003	4.6858e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2091e-003
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tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2366e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	1.9990e-004
tblVehicleEF	OBUS	4.2350e-003	4.6858e-003
tblVehicleEF	OBUS	0.02	0.03

tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2091e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7745e-003
tblVehicleEF	OBUS	9.9380e-003	6.5995e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1159e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1817e-004
tblVehicleEF	OBUS	7.4000e-005	6.8081e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0060e-004

tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1655e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2746e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0284e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1655e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5844e-003
tblVehicleEF	SBUS	0.07	6.1574e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29

tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3578e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.9546e-005
tblVehicleEF	SBUS	0.01	4.1693e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6361e-005
tblVehicleEF	SBUS	2.9260e-003	1.2417e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9026e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2887e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7406e-005
tblVehicleEF	SBUS	2.9260e-003	1.2417e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9026e-004
tblVehicleEF	SBUS	0.13	0.13

tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7142e-003
tblVehicleEF	SBUS	0.06	5.1553e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6811e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.9546e-005
tblVehicleEF	SBUS	9.6490e-003	3.5218e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6361e-005
tblVehicleEF	SBUS	5.6170e-003	2.2078e-003
tblVehicleEF	SBUS	0.02	9.9848e-003
tblVehicleEF	SBUS	0.67	0.28

tblVehicleEF	SBUS	2.8800e-003	1.1133e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3635e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.3656e-005
tblVehicleEF	SBUS	5.6170e-003	2.2078e-003
tblVehicleEF	SBUS	0.02	9.9848e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1133e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5765e-003
tblVehicleEF	SBUS	0.07	6.3442e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2923e-003

tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.9546e-005
tblVehicleEF	SBUS	0.01	5.0633e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6361e-005
tblVehicleEF	SBUS	2.9580e-003	1.2073e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0130e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1854e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8025e-005
tblVehicleEF	SBUS	2.9580e-003	1.2073e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0130e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45

tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6547e-003
tblVehicleEF	UBUS	1.4030e-003	1.4136e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.06	2.5281e-003
tblVehicleEF	UBUS	1.2900e-003	1.2997e-004
tblVehicleEF	UBUS	8.0860e-003	1.6779e-003
tblVehicleEF	UBUS	0.11	9.5389e-003
tblVehicleEF	UBUS	3.9450e-003	7.3721e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0254e-003
tblVehicleEF	UBUS	1.6240e-003	1.1651e-004
tblVehicleEF	UBUS	8.0860e-003	1.6779e-003
tblVehicleEF	UBUS	0.11	9.5389e-003
tblVehicleEF	UBUS	3.9450e-003	7.3721e-004
tblVehicleEF	UBUS	2.50	4.54

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2353e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6547e-003
tblVehicleEF	UBUS	1.4030e-003	1.4136e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.06	2.5281e-003
tblVehicleEF	UBUS	1.2900e-003	1.2997e-004
tblVehicleEF	UBUS	0.02	3.0607e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4842e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0254e-003
tblVehicleEF	UBUS	1.5790e-003	1.1434e-004
tblVehicleEF	UBUS	0.02	3.0607e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4842e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6547e-003
tblVehicleEF	UBUS	1.4030e-003	1.4136e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.06	2.5281e-003
tblVehicleEF	UBUS	1.2900e-003	1.2997e-004
tblVehicleEF	UBUS	9.2250e-003	1.6874e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4483e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04

tblVehicleEF	UBUS	0.01	3.0254e-003
tblVehicleEF	UBUS	1.6160e-003	1.1672e-004
tblVehicleEF	UBUS	9.2250e-003	1.6874e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4483e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	41.00	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	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00

tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	131,474,875.00	0.00
tblWater	IndoorWaterUseRate	79,087,500.00	0.00

2.0 Emissions Summary

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					
2021	12.9805	115.8874	82.3827	0.3197	46.0542	3.7172	49.7714	15.7423	3.4203	19.1626	0.0000	32,271.3095	32,271.3095	3.4651	0.0000	32,357.9357
2022	65.5547	106.9422	86.8484	0.3390	17.6381	2.8238	20.4619	4.7344	2.6432	7.3776	0.0000	34,176.8000	34,176.8000	3.4725	0.0000	34,263.6117
Maximum	**65.5547**	**115.8874**	**86.8484**	**0.3390**	**46.0542**	**3.7172**	**49.7714**	**15.7423**	**3.4203**	**19.1626**	**0.0000**	**34,176.8000**	**34,176.8000**	**3.4725**	**0.0000**	**34,263.6117**

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					
2021	8.8952	90.3677	95.2935	0.3197	20.5757	2.2123	22.7880	5.4078	2.2022	7.6100	0.0000	32,271.3095	32,271.3095	3.4651	0.0000	32,357.9357
2022	61.9108	89.7584	100.8351	0.3390	17.6381	2.3370	19.9751	4.7344	2.3265	7.0609	0.0000	34,176.8000	34,176.8000	3.4725	0.0000	34,263.6117
Maximum	**61.9108**	**90.3677**	**100.8351**	**0.3390**	**20.5757**	**2.3370**	**22.7880**	**5.4078**	**2.3265**	**7.6100**	**0.0000**	**34,176.8000**	**34,176.8000**	**3.4725**	**0.0000**	**34,263.6117**

	ROG	NOx	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	**9.84**	**19.16**	**-15.89**	**0.00**	**40.00**	**30.45**	**39.11**	**50.47**	**25.31**	**44.72**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	21.0897	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**21.0897**	**2.4000e-003**	**0.2628**	**2.0000e-005**	**0.0000**	**9.4000e-004**	**9.4000e-004**	**0.0000**	**9.4000e-004**	**9.4000e-004**		**0.5624**	**0.5624**	**1.4800e-003**	**0.0000**	**0.5995**

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	21.0897	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**21.0897**	**2.4000e-003**	**0.2628**	**2.0000e-005**	**0.0000**	**9.4000e-004**	**9.4000e-004**	**0.0000**	**9.4000e-004**	**9.4000e-004**		**0.5624**	**0.5624**	**1.4800e-003**	**0.0000**	**0.5995**

	ROG	NOx	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	Fine Grading/Site Preparation	Grading	8/28/2021	11/19/2021	5	60	
2	Building Construction/Concrete Pours	Building Construction	11/20/2021	12/16/2022	5	280	
3	Architectural Coating	Architectural Coating	5/21/2022	12/16/2022	5	150	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 38.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,366,482; Non-Residential Outdoor: 455,494; Striped Parking Area: 99,543 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Fine Grading/Site Preparation	Crawler Tractors	6	8.00	212	0.43
Fine Grading/Site Preparation	Excavators	0	8.00	158	0.38
Fine Grading/Site Preparation	Graders	0	8.00	187	0.41
Fine Grading/Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Fine Grading/Site Preparation	Scrapers	0	8.00	367	0.48
Fine Grading/Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction/Concrete Pours	Cranes	2	8.00	231	0.29
Building Construction/Concrete Pours	Crawler Tractors	6	8.00	212	0.43
Building Construction/Concrete Pours	Forklifts	6	8.00	89	0.20
Building Construction/Concrete Pours	Generator Sets	2	8.00	84	0.74
Building Construction/Concrete Pours	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction/Concrete Pours	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	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
Fine Grading/Site Preparation	10	25.00	74.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction/Concrete	18	1,079.00	347.00	13,800.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	216.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Fine Grading/Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					45.2985	0.0000	45.2985	15.5311	0.0000	15.5311			0.0000			0.0000
Off-Road	7.4910	85.6935	30.7616	0.0812		3.7028	3.7028		3.4066	3.4066		7,871.5810	7,871.5810	2.5458		7,935.2267
Total	**7.4910**	**85.6935**	**30.7616**	**0.0812**	**45.2985**	**3.7028**	**49.0012**	**15.5311**	**3.4066**	**18.9377**		**7,871.5810**	**7,871.5810**	**2.5458**		**7,935.2267**

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	8.3000e-004	0.0305	5.3800e-003	1.0000e-004	2.3300e-003	9.0000e-005	2.4200e-003	6.4000e-004	8.0000e-005	7.2000e-004		10.7142	10.7142	6.4000e-004		10.7302
Vendor	0.2031	7.0604	1.5707	0.0192	0.4740	0.0126	0.4865	0.1365	0.0120	0.1485		2,024.1600	2,024.1600	0.1475		2,027.8478
Worker	0.1273	0.0826	0.8489	2.4600e-003	0.2794	1.7900e-003	0.2812	0.0741	1.6500e-003	0.0758		245.3744	245.3744	6.8300e-003		245.5452
Total	**0.3313**	**7.1735**	**2.4250**	**0.0218**	**0.7557**	**0.0145**	**0.7702**	**0.2112**	**0.0138**	**0.2250**		**2,280.2486**	**2,280.2486**	**0.1550**		**2,284.1232**

3.2 Fine Grading/Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.7776	0.0000	11.7776	4.0381	0.0000	4.0381			0.0000			0.0000
Off-Road	1.9940	38.5511	43.2038	0.0812		1.4623	1.4623		1.4623	1.4623	0.0000	7,871.5810	7,871.5810	2.5458		7,935.2267
Total	**1.9940**	**38.5511**	**43.2038**	**0.0812**	**11.7776**	**1.4623**	**13.2399**	**4.0381**	**1.4623**	**5.5004**	**0.0000**	**7,871.5810**	**7,871.5810**	**2.5458**		**7,935.2267**

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	8.3000e-004	0.0305	5.3800e-003	1.0000e-004	2.3300e-003	9.0000e-005	2.4200e-003	6.4000e-004	8.0000e-005	7.2000e-004		10.7142	10.7142	6.4000e-004		10.7302
Vendor	0.2031	7.0604	1.5707	0.0192	0.4740	0.0126	0.4865	0.1365	0.0120	0.1485		2,024.1600	2,024.1600	0.1475		2,027.8478
Worker	0.1273	0.0826	0.8489	2.4600e-003	0.2794	1.7900e-003	0.2812	0.0741	1.6500e-003	0.0758		245.3744	245.3744	6.8300e-003		245.5452
Total	**0.3313**	**7.1735**	**2.4250**	**0.0218**	**0.7557**	**0.0145**	**0.7702**	**0.2112**	**0.0138**	**0.2250**		**2,280.2486**	**2,280.2486**	**0.1550**		**2,284.1232**

3.3 Building Construction/Concrete Pours - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.2274	67.9319	36.3904	0.0861		2.9526	2.9526		2.7551	2.7551		8,228.8593	8,228.8593	2.2418		8,284.9041
Total	**6.2274**	**67.9319**	**36.3904**	**0.0861**		**2.9526**	**2.9526**		**2.7551**	**2.7551**		**8,228.8593**	**8,228.8593**	**2.2418**		**8,284.9041**

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	0.3061	11.2837	1.9885	0.0373	6.2926	0.0322	6.3249	1.5693	0.0308	1.6002		3,960.4213	3,960.4213	0.2368		3,966.3402
Vendor	0.9525	33.1075	7.3655	0.0900	2.2224	0.0590	2.2814	0.6399	0.0564	0.6963		9,491.6690	9,491.6690	0.6917		9,508.9619
Worker	5.4945	3.5643	36.6383	0.1063	12.0607	0.0771	12.1378	3.1986	0.0710	3.2696		10,590.3599	10,590.3599	0.2948		10,597.7295
Total	**6.7531**	**47.9555**	**45.9923**	**0.2336**	**20.5757**	**0.1684**	**20.7441**	**5.4078**	**0.1583**	**5.5661**		**24,042.4502**	**24,042.4502**	**1.2233**		**24,073.0317**

3.3 Building Construction/Concrete Pours - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1421	42.4122	49.3012	0.0861		2.0440	2.0440		2.0440	2.0440	0.0000	8,228.8593	8,228.8593	2.2418		8,284.9041
Total	**2.1421**	**42.4122**	**49.3012**	**0.0861**		**2.0440**	**2.0440**		**2.0440**	**2.0440**	**0.0000**	**8,228.8593**	**8,228.8593**	**2.2418**		**8,284.9041**

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	0.3061	11.2837	1.9885	0.0373	6.2926	0.0322	6.3249	1.5693	0.0308	1.6002		3,960.4213	3,960.4213	0.2368		3,966.3402
Vendor	0.9525	33.1075	7.3655	0.0900	2.2224	0.0590	2.2814	0.6399	0.0564	0.6963		9,491.6690	9,491.6690	0.6917		9,508.9619
Worker	5.4945	3.5643	36.6383	0.1063	12.0607	0.0771	12.1378	3.1986	0.0710	3.2696		10,590.3599	10,590.3599	0.2948		10,597.7295
Total	**6.7531**	**47.9555**	**45.9923**	**0.2336**	**20.5757**	**0.1684**	**20.7441**	**5.4078**	**0.1583**	**5.5661**		**24,042.4502**	**24,042.4502**	**1.2233**		**24,073.0317**

3.3 Building Construction/Concrete Pours - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.5925	59.5273	35.3396	0.0860		2.5486	2.5486		2.3785	2.3785		8,221.0644	8,221.0644	2.2305		8,276.8270
Total	**5.5925**	**59.5273**	**35.3396**	**0.0860**		**2.5486**	**2.5486**		**2.3785**	**2.3785**		**8,221.0644**	**8,221.0644**	**2.2305**		**8,276.8270**

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	0.2895	10.3283	1.9242	0.0368	0.9407	0.0267	0.9674	0.2557	0.0256	0.2812		3,915.2891	3,915.2891	0.2312		3,921.0691
Vendor	0.8885	31.3641	6.8378	0.0892	2.2224	0.0496	2.2720	0.6399	0.0475	0.6874		9,412.5920	9,412.5920	0.6688		9,429.3118
Worker	5.1442	3.2032	33.6021	0.1024	12.0607	0.0749	12.1356	3.1986	0.0690	3.2675		10,208.9152	10,208.9152	0.2646		10,215.5296
Total	**6.3222**	**44.8957**	**42.3641**	**0.2285**	**15.2238**	**0.1512**	**15.3750**	**4.0941**	**0.1420**	**4.2361**		**23,536.7963**	**23,536.7963**	**1.1646**		**23,565.9104**

3.3 Building Construction/Concrete Pours - 2022

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	2.1421	42.4122	49.3012	0.0860		2.0440	2.0440		2.0440	2.0440	0.0000	8,221.0644	8,221.0644	2.2305		8,276.8270
Total	**2.1421**	**42.4122**	**49.3012**	**0.0860**		**2.0440**	**2.0440**		**2.0440**	**2.0440**	**0.0000**	**8,221.0644**	**8,221.0644**	**2.2305**		**8,276.8270**

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	0.2895	10.3283	1.9242	0.0368	0.9407	0.0267	0.9674	0.2557	0.0256	0.2812		3,915.2891	3,915.2891	0.2312		3,921.0691
Vendor	0.8885	31.3641	6.8378	0.0892	2.2224	0.0496	2.2720	0.6399	0.0475	0.6874		9,412.5920	9,412.5920	0.6688		9,429.3118
Worker	5.1442	3.2032	33.6021	0.1024	12.0607	0.0749	12.1356	3.1986	0.0690	3.2675		10,208.9152	10,208.9152	0.2646		10,215.5296
Total	**6.3222**	**44.8957**	**42.3641**	**0.2285**	**15.2238**	**0.1512**	**15.3750**	**4.0941**	**0.1420**	**4.2361**		**23,536.7963**	**23,536.7963**	**1.1646**		**23,565.9104**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	52.3376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	**52.6103**	**1.8780**	**2.4181**	**3.9600e-003**		**0.1090**	**0.1090**		**0.1090**	**0.1090**		**375.2641**	**375.2641**	**0.0244**		**375.8749**

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
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
Worker	1.0298	0.6412	6.7267	0.0205	2.4144	0.0150	2.4294	0.6403	0.0138	0.6541		2,043.6753	2,043.6753	0.0530		2,044.9994
Total	**1.0298**	**0.6412**	**6.7267**	**0.0205**	**2.4144**	**0.0150**	**2.4294**	**0.6403**	**0.0138**	**0.6541**		**2,043.6753**	**2,043.6753**	**0.0530**		**2,044.9994**

3.4 Architectural Coating - 2022

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	52.3376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0244		375.8749
Total	**52.4168**	**1.8093**	**2.4432**	**3.9600e-003**		**0.1268**	**0.1268**		**0.1268**	**0.1268**	**0.0000**	**375.2641**	**375.2641**	**0.0244**		**375.8749**

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
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
Worker	1.0298	0.6412	6.7267	0.0205	2.4144	0.0150	2.4294	0.6403	0.0138	0.6541		2,043.6753	2,043.6753	0.0530		2,044.9994
Total	**1.0298**	**0.6412**	**6.7267**	**0.0205**	**2.4144**	**0.0150**	**2.4294**	**0.6403**	**0.0138**	**0.6541**		**2,043.6753**	**2,043.6753**	**0.0530**		**2,044.9994**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	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
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**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	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
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**

6.0 Area Detail

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	21.0897	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Unmitigated	21.0897	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995

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	2.4401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0244	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Total	**21.0897**	**2.4000e-003**	**0.2628**	**2.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**		**0.5624**	**0.5624**	**1.4800e-003**		**0.5995**

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	2.4401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	18.6252					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0244	2.4000e-003	0.2628	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5624	0.5624	1.4800e-003		0.5995
Total	**21.0897**	**2.4000e-003**	**0.2628**	**2.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**		**0.5624**	**0.5624**	**1.4800e-003**		**0.5995**

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

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

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APPENDIX 3.2:

CALEEMOD PROJECT OPERATIONAL EMISSIONS MODEL OUTPUTS

Agua Mansa Commerce Center (Building 1 Operations)

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	454.54	1000sqft	10.43	454,543.00	0
User Defined Industrial	454.54	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	1,070.14	1000sqft	24.57	1,070,142.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provider. As such, SCE was used and the intensity factor adjusted to reflect the RPS 2022

Land Use - Total Building 1 Area is 35 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - Energy use adjusted to reflect information provided by the Project team

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

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	50.00	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24E	1.06	30.11
tblEnergyUse	T24NG	3.25	2.8600e-003
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.54
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00

tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.26
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.08
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblLandUse	LandUseSquareFeet	454,540.00	454,543.00
tblLandUse	LandUseSquareFeet	1,070,140.00	1,070,142.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG

tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	26.50	6.08
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tblVehicleEF	HHD	9.7780e-003	3.6280e-003
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03

tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
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tblVehicleEF	HHD	1.14	0.03
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tblVehicleEF	HHD	0.09	0.00
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tblVehicleEF	HHD	0.57	0.67
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tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	7.9170e-003	3.0380e-003
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
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tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004

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tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	LDA	2.0960e-003	1.7080e-003

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tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
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tblVehicleEF	LDA	2.2790e-003	1.8570e-003
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tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDA	0.06	0.19
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tblVehicleEF	LDA	0.12	0.11
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tblVehicleEF	LDA	0.07	0.21
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tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
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tblVehicleEF	LDA	0.11	0.11

tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
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tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
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tblVehicleEF	LDT1	0.13	0.14

tblVehicleEF	LDT1	0.03	0.03
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tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
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tblVehicleEF	LDT1	0.02	0.07
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tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
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tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04

tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
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tblVehicleEF	LDT1	3.55	2.39
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tblVehicleEF	LDT1	70.93	65.71
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tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00

tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33

tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003

tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003

tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17

tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003

tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005

tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25

tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07

tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06

tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
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tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78

tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28

tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18

tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44

tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003

tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
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tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00

tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
tblVehicleEF	MHD	0.60	0.52
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005

tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52

tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003

tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004

tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	2.45
tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05

tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
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tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004

tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77

tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
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tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
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tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003

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tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
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tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004

tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56

tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003

tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04

tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01

tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003

tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.06
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.03
tblVehicleTrips	WD_TR	1.68	1.38
tblVehicleTrips	WD_TR	0.00	0.75

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	10.6338	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Energy	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
Mobile	4.4510	74.7212	43.0483	0.3678	17.5696	0.7185	18.2881	4.8371	0.6862	5.5232		39,982.9581	39,982.9581	2.4697		40,044.6995
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**15.3288**	**77.2586**	**44.7682**	**0.3742**	**17.5696**	**0.8068**	**18.3763**	**4.8371**	**0.7674**	**5.6045**		**40,597.3858**	**40,597.3858**	**2.6692**	**1.0000e-005**	**40,664.1192**

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	10.6338	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Energy	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
Mobile	4.4510	74.7212	43.0483	0.3678	17.5696	0.7185	18.2881	4.8371	0.6862	5.5232		39,982.9581	39,982.9581	2.4697		40,044.6995
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**15.3288**	**77.2586**	**44.7682**	**0.3742**	**17.5696**	**0.8068**	**18.3763**	**4.8371**	**0.7674**	**5.6045**		**40,597.3858**	**40,597.3858**	**2.6692**	**1.0000e-005**	**40,664.1192**

	ROG	NOx	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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 24.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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**

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	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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

	ROG	NOx	CO	SO2	Fugitive 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	4.4510	74.7212	43.0483	0.3678	17.5696	0.7185	18.2881	4.8371	0.6862	5.5232		39,982.9581	39,982.9581	2.4697		40,044.6995
Unmitigated	4.4510	74.7212	43.0483	0.3678	17.5696	0.7185	18.2881	4.8371	0.6862	5.5232		39,982.9581	39,982.9581	2.4697		40,044.6995

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	627.99	54.14	21.64	1,968,818	1,968,818
User Defined Industrial	340.00	29.32	11.73	3,621,331	3,621,331
Total	967.99	83.45	33.36	5,590,149	5,590,149

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.263800	0.083200	0.111800	0.541200	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	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
NaturalGas Unmitigated	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	3.56162	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
User Defined Industrial	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
Total		**4.0000e-005**	**3.5000e-004**	**2.9000e-004**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.4190**	**0.4190**	**1.0000e-005**	**1.0000e-005**	**0.4215**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.00356162	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
User Defined Industrial	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
Total		**4.0000e-005**	**3.5000e-004**	**2.9000e-004**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.4190**	**0.4190**	**1.0000e-005**	**1.0000e-005**	**0.4215**

6.0 Area Detail

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	10.6338	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Unmitigated	10.6338	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617

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	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.3790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0188	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Total	**10.6338**	**1.8500e-003**	**0.2024**	**2.0000e-005**		**7.2000e-004**	**7.2000e-004**		**7.2000e-004**	**7.2000e-004**		**0.4332**	**0.4332**	**1.1400e-003**		**0.4617**

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	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.3790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0188	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Total	**10.6338**	**1.8500e-003**	**0.2024**	**2.0000e-005**		**7.2000e-004**	**7.2000e-004**		**7.2000e-004**	**7.2000e-004**		**0.4332**	**0.4332**	**1.1400e-003**		**0.4617**

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
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**0.2440**	**2.5352**	**1.5172**	**6.3400e-003**		**0.0875**	**0.0875**		**0.0805**	**0.0805**		**613.5755**	**613.5755**	**0.1984**		**618.5365**

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

Agua Mansa Commerce Center (Building 1 Operations)

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	454.54	1000sqft	10.43	454,543.00	0
User Defined Industrial	454.54	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	1,070.14	1000sqft	24.57	1,070,142.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provider. As such, SCE was used and the intensity factor adjusted to reflect the RPS 2022

Land Use - Total Building 1 Area is 35 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - Energy use adjusted to reflect information provided by the Project team

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

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	50.00	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24E	1.06	30.11
tblEnergyUse	T24NG	3.25	2.8600e-003
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.54
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00

tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.26
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.08
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblLandUse	LandUseSquareFeet	454,540.00	454,543.00
tblLandUse	LandUseSquareFeet	1,070,140.00	1,070,142.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG

tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
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tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
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tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
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tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
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tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11

tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
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tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
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tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14

tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04

tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00

tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33

tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003

tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003

tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17

tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003

tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005

tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25

tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07

tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06

tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78

tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28

tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18

tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44

tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003

tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00

tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
tblVehicleEF	MHD	0.60	0.52
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005

tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
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tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52

tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003

tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004

tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	2.45
tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05

tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
tblVehicleEF	OBUS	0.29	0.34
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004

tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77

tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003

tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004

tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56

tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003

tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04

tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01

tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003

tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.06
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.03
tblVehicleTrips	WD_TR	1.68	1.38
tblVehicleTrips	WD_TR	0.00	0.75

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	10.6338	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Energy	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
Mobile	4.1719	76.5760	34.7809	0.3636	17.5288	0.7163	18.2451	4.8223	0.6841	5.5064		38,072.4227	38,072.4227	0.3158		38,080.3167
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**15.0498**	**79.1134**	**36.5008**	**0.3700**	**17.5288**	**0.8046**	**18.3334**	**4.8223**	**0.7653**	**5.5876**		**38,686.8504**	**38,686.8504**	**0.5154**	**1.0000e-005**	**38,699.7365**

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	10.6338	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Energy	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
Mobile	4.1719	76.5760	34.7809	0.3636	17.5288	0.7163	18.2451	4.8223	0.6841	5.5064		38,072.4227	38,072.4227	0.3158		38,080.3167
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**15.0498**	**79.1134**	**36.5008**	**0.3700**	**17.5288**	**0.8046**	**18.3334**	**4.8223**	**0.7653**	**5.5876**		**38,686.8504**	**38,686.8504**	**0.5154**	**1.0000e-005**	**38,699.7365**

	ROG	NOx	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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 24.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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**

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	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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

	ROG	NOx	CO	SO2	Fugitive 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	4.1719	76.5760	34.7809	0.3636	17.5288	0.7163	18.2451	4.8223	0.6841	5.5064		38,072.4227	38,072.4227	0.3158		38,080.3167
Unmitigated	4.1719	76.5760	34.7809	0.3636	17.5288	0.7163	18.2451	4.8223	0.6841	5.5064		38,072.4227	38,072.4227	0.3158		38,080.3167

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	627.99	54.14	21.64	1,968,818	1,968,818
User Defined Industrial	340.00	29.32	11.73	3,621,331	3,621,331
Total	967.99	83.45	33.36	5,590,149	5,590,149

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.263800	0.083200	0.111800	0.541200	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	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
NaturalGas Unmitigated	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	3.56162	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
User Defined Industrial	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
Total		**4.0000e-005**	**3.5000e-004**	**2.9000e-004**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.4190**	**0.4190**	**1.0000e-005**	**1.0000e-005**	**0.4215**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.00356162	4.0000e-005	3.5000e-004	2.9000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4190	0.4190	1.0000e-005	1.0000e-005	0.4215
User Defined Industrial	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
Total		**4.0000e-005**	**3.5000e-004**	**2.9000e-004**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.4190**	**0.4190**	**1.0000e-005**	**1.0000e-005**	**0.4215**

6.0 Area Detail

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	10.6338	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Unmitigated	10.6338	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617

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	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.3790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0188	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Total	**10.6338**	**1.8500e-003**	**0.2024**	**2.0000e-005**		**7.2000e-004**	**7.2000e-004**		**7.2000e-004**	**7.2000e-004**		**0.4332**	**0.4332**	**1.1400e-003**		**0.4617**

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	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.3790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0188	1.8500e-003	0.2024	2.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004		0.4332	0.4332	1.1400e-003		0.4617
Total	**10.6338**	**1.8500e-003**	**0.2024**	**2.0000e-005**		**7.2000e-004**	**7.2000e-004**		**7.2000e-004**	**7.2000e-004**		**0.4332**	**0.4332**	**1.1400e-003**		**0.4617**

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
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**0.2440**	**2.5352**	**1.5172**	**6.3400e-003**		**0.0875**	**0.0875**		**0.0805**	**0.0805**		**613.5755**	**613.5755**	**0.1984**		**618.5365**

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

Agua Mansa Commerce Center (Building 2 Operations)

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	114.11	1000sqft	2.62	114,111.00	0
User Defined Industrial	114.11	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	588.91	1000sqft	13.52	588,910.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provider. As such, SCE was used and the intensity factors adjusted to reflect the RPS 2022

Land Use - Total Building 2 Area (without High-Cube Fulfillment) is 16.14 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Area Coating -

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

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

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	2.37	1.66
tblEnergyUse	T24E	1.06	0.74
tblEnergyUse	T24NG	3.25	2.28
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.53
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20

tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.27
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.08
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.12
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00

tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	107.26	107.16
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006

tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23

tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004

tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006

tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003

tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86

tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36

tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003

tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18

tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004

tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004

tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004

tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10

tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91

tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62

tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003

tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21

tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18

tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
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tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00

tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
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tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00

tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
tblVehicleEF	MHD	0.60	0.52
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49

tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37

tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02

tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	2.45
tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05

tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
tblVehicleEF	OBUS	0.29	0.34
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004

tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30

tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30

tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06

tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005

tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86

tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40

tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003

tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.07
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.03
tblVehicleTrips	WD_TR	1.68	1.39
tblVehicleTrips	WD_TR	0.00	0.75
tblWater	IndoorWaterUseRate	26,387,937.50	26,362,500.00

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	2.8104	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Energy	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
Mobile	1.1231	18.8236	10.8538	0.0928	4.4425	0.1819	4.6243	1.2236	0.1737	1.3973		10,086.2884	10,086.2884	0.6187		10,101.7567
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**4.3488**	**22.9164**	**13.7622**	**0.1085**	**4.4425**	**0.3880**	**4.8304**	**1.2236**	**0.3728**	**1.5963**		**12,568.1160**	**12,568.1160**	**0.8534**	**0.0343**	**12,599.6583**

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	2.8104	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Energy	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
Mobile	1.1231	18.8236	10.8538	0.0928	4.4425	0.1819	4.6243	1.2236	0.1737	1.3973		10,086.2884	10,086.2884	0.6187		10,101.7567
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**4.3488**	**22.9164**	**13.7622**	**0.1085**	**4.4425**	**0.3880**	**4.8304**	**1.2236**	**0.3728**	**1.5963**		**12,568.1160**	**12,568.1160**	**0.8534**	**0.0343**	**12,599.6583**

	ROG	**NOx**	**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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 13.52

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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**

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	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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

	ROG	NOx	CO	SO2	Fugitive 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	1.1231	18.8236	10.8538	0.0928	4.4425	0.1819	4.6243	1.2236	0.1737	1.3973		10,086.2884	10,086.2884	0.6187		10,101.7567
Unmitigated	1.1231	18.8236	10.8538	0.0928	4.4425	0.1819	4.6243	1.2236	0.1737	1.3973		10,086.2884	10,086.2884	0.6187		10,101.7567

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	158.16	13.64	5.45	495,845	495,845
User Defined Industrial	86.09	7.42	2.97	916,886	916,886
Total	244.24	21.05	8.42	1,412,732	1,412,732

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.265100	0.083700	0.116300	0.534900	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	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
NaturalGas Unmitigated	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	15878.6	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
User Defined Industrial	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
Total		**0.1712**	**1.5567**	**1.3077**	**9.3400e-003**		**0.1183**	**0.1183**		**0.1183**	**0.1183**		**1,868.0734**	**1,868.0734**	**0.0358**	**0.0343**	**1,879.1744**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	15.8786	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
User Defined Industrial	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
Total		**0.1712**	**1.5567**	**1.3077**	**9.3400e-003**		**0.1183**	**0.1183**		**0.1183**	**0.1183**		**1,868.0734**	**1,868.0734**	**0.0358**	**0.0343**	**1,879.1744**

6.0 Area Detail

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	2.8104	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Unmitigated	2.8104	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906

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	0.3347					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.7700e-003	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Total	**2.8104**	**7.6000e-004**	**0.0836**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**		**0.1788**	**0.1788**	**4.7000e-004**		**0.1906**

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	0.3347					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.7700e-003	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Total	**2.8104**	**7.6000e-004**	**0.0836**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**		**0.1788**	**0.1788**	**4.7000e-004**		**0.1906**

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
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**0.2440**	**2.5352**	**1.5172**	**6.3400e-003**		**0.0875**	**0.0875**		**0.0805**	**0.0805**		**613.5755**	**613.5755**	**0.1984**		**618.5365**

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

Agua Mansa Commerce Center (Building 2 Operations)

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	114.11	1000sqft	2.62	114,111.00	0
User Defined Industrial	114.11	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	588.91	1000sqft	13.52	588,910.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provider. As such, SCE was used and the intensity factors adjusted to reflect the RPS 2022

Land Use - Total Building 2 Area (without High-Cube Fulfillment) is 16.14 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Area Coating -

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

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

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	2.37	1.66
tblEnergyUse	T24E	1.06	0.74
tblEnergyUse	T24NG	3.25	2.28
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.53
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20

tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.27
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.08
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.12
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00

tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	107.26	107.16
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006

tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23

tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004

tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006

tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003

tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86

tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36

tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003

tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18

tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004

tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004

tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004

tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10

tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91

tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62

tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003

tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21

tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18

tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00

tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00

tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
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tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
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tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01

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tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
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tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49

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tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
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tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02

tblVehicleEF	MHD	6.4000e-004	2.4400e-004
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tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05

tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
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tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004

tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
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tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
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tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
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tblVehicleEF	OBUS	0.05	0.07
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tblVehicleEF	SBUS	0.03	0.03
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tblVehicleEF	UBUS	0.01	0.03
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tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
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tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
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tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.07
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.03
tblVehicleTrips	WD_TR	1.68	1.39
tblVehicleTrips	WD_TR	0.00	0.75
tblWater	IndoorWaterUseRate	26,387,937.50	26,362,500.00

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	2.8104	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Energy	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
Mobile	1.0531	19.2934	8.7802	0.0918	4.4323	0.1813	4.6136	1.2199	0.1732	1.3930		9,607.4979	9,607.4979	0.0797		9,609.4911
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**4.2788**	**23.3861**	**11.6886**	**0.1075**	**4.4323**	**0.3874**	**4.8197**	**1.2199**	**0.3722**	**1.5921**		**12,089.3255**	**12,089.3255**	**0.3144**	**0.0343**	**12,107.3927**

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	2.8104	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Energy	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
Mobile	1.0531	19.2934	8.7802	0.0918	4.4323	0.1813	4.6136	1.2199	0.1732	1.3930		9,607.4979	9,607.4979	0.0797		9,609.4911
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**4.2788**	**23.3861**	**11.6886**	**0.1075**	**4.4323**	**0.3874**	**4.8197**	**1.2199**	**0.3722**	**1.5921**		**12,089.3255**	**12,089.3255**	**0.3144**	**0.0343**	**12,107.3927**

	ROG	**NOx**	**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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 13.52

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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**

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	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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

	ROG	NOx	CO	SO2	Fugitive 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	1.0531	19.2934	8.7802	0.0918	4.4323	0.1813	4.6136	1.2199	0.1732	1.3930		9,607.4979	9,607.4979	0.0797		9,609.4911
Unmitigated	1.0531	19.2934	8.7802	0.0918	4.4323	0.1813	4.6136	1.2199	0.1732	1.3930		9,607.4979	9,607.4979	0.0797		9,609.4911

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	158.16	13.64	5.45	495,845	495,845
User Defined Industrial	86.09	7.42	2.97	916,886	916,886
Total	244.24	21.05	8.42	1,412,732	1,412,732

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.265100	0.083700	0.116300	0.534900	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	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
NaturalGas Unmitigated	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	15878.6	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
User Defined Industrial	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
Total		**0.1712**	**1.5567**	**1.3077**	**9.3400e-003**		**0.1183**	**0.1183**		**0.1183**	**0.1183**		**1,868.0734**	**1,868.0734**	**0.0358**	**0.0343**	**1,879.1744**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	15.8786	0.1712	1.5567	1.3077	9.3400e-003		0.1183	0.1183		0.1183	0.1183		1,868.0734	1,868.0734	0.0358	0.0343	1,879.1744
User Defined Industrial	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
Total		**0.1712**	**1.5567**	**1.3077**	**9.3400e-003**		**0.1183**	**0.1183**		**0.1183**	**0.1183**		**1,868.0734**	**1,868.0734**	**0.0358**	**0.0343**	**1,879.1744**

6.0 Area Detail

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	2.8104	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Unmitigated	2.8104	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906

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	0.3347					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.7700e-003	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Total	**2.8104**	**7.6000e-004**	**0.0836**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**		**0.1788**	**0.1788**	**4.7000e-004**		**0.1906**

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	0.3347					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.7700e-003	7.6000e-004	0.0836	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004		0.1906
Total	**2.8104**	**7.6000e-004**	**0.0836**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**		**0.1788**	**0.1788**	**4.7000e-004**		**0.1906**

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
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**0.2440**	**2.5352**	**1.5172**	**6.3400e-003**		**0.0875**	**0.0875**		**0.0805**	**0.0805**		**613.5755**	**613.5755**	**0.1984**		**618.5365**

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

Agua Mansa Commerce Center (Building 2 Operations)

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	342.00	1000sqft	7.86	342,000.00	0
User Defined Industrial	342.00	User Defined Unit	0.00	0.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provided. As such, SCE was used and the intensity factors adjusted to the reflect the RPS 2022

Land Use - Total Building 2 Area (High-Cube Fulfillment ONLY) is 7.86 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.79
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD1	0.02	0.08
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.03
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblLandUse	LotAcreage	7.85	7.86
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00

tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
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tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
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tblVehicleEF	HHD	1.1700e-004	7.0000e-006
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tblVehicleEF	HHD	2.2100e-004	8.1200e-004
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tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003

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tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006

tblVehicleEF	HHD	3.4760e-003	1.8700e-004
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
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tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06

tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
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tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11

tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
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tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
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tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
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tblVehicleEF	LDA	0.08	0.22
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tblVehicleEF	LDA	5.9100e-004	5.3200e-004
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tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
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tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
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tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05

tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
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tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
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tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85

tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47

tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003

tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07

tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004

tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004

tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07

tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09

tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003

tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14

tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
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tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87

tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88

tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98

tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003

tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09

tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35

tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00

tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
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tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003

tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
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tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004

tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37
tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59

tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
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tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003

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tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	66.00	76.30
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tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01

tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
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tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
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tblVehicleEF	OBUS	0.05	0.30
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tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
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tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82

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tblVehicleEF	SBUS	1,136.31	1,112.17
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tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
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tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
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tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
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tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
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tblVehicleEF	SBUS	0.03	0.03
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tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28

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tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
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tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75

tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04

tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003

tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004

tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.07
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.03
tblVehicleTrips	WD_TR	1.68	1.75
tblVehicleTrips	WD_TR	0.00	0.39

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	7.6467	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Energy	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
Mobile	2.8590	36.0894	28.9741	0.1926	10.0207	0.3452	10.3659	2.7153	0.3293	3.0446		20,993.5811	20,993.5811	1.4328		21,029.4015
Total	**10.5201**	**36.2214**	**29.1544**	**0.1934**	**10.0207**	**0.3554**	**10.3762**	**2.7153**	**0.3395**	**3.0548**		**21,151.3650**	**21,151.3650**	**1.4362**	**2.8900e-003**	**21,188.1320**

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	7.6467	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Energy	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
Mobile	2.8590	36.0894	28.9741	0.1926	10.0207	0.3452	10.3659	2.7153	0.3293	3.0446		20,993.5811	20,993.5811	1.4328		21,029.4015
Total	**10.5201**	**36.2214**	**29.1544**	**0.1934**	**10.0207**	**0.3554**	**10.3762**	**2.7153**	**0.3395**	**3.0548**		**21,151.3650**	**21,151.3650**	**1.4362**	**2.8900e-003**	**21,188.1320**

	ROG	NOx	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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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**

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	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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

	ROG	NOx	CO	SO2	Fugitive 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	2.8590	36.0894	28.9741	0.1926	10.0207	0.3452	10.3659	2.7153	0.3293	3.0446		20,993.5811	20,993.5811	1.4328		21,029.4015
Unmitigated	2.8590	36.0894	28.9741	0.1926	10.0207	0.3452	10.3659	2.7153	0.3293	3.0446		20,993.5811	20,993.5811	1.4328		21,029.4015

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	600.00	40.87	16.35	1,871,781	1,871,781
User Defined Industrial	132.01	22.23	8.89	1,437,659	1,437,659
Total	732.02	63.10	25.24	3,309,440	3,309,440

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	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.080600	0.025400	0.106100	0.787900	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	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
NaturalGas Unmitigated	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709

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	1339.89	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
User Defined Industrial	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
Total		**0.0145**	**0.1314**	**0.1103**	**7.9000e-004**		**9.9800e-003**	**9.9800e-003**		**9.9800e-003**	**9.9800e-003**		**157.6342**	**157.6342**	**3.0200e-003**	**2.8900e-003**	**158.5709**

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	1.33989	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
User Defined Industrial	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
Total		**0.0145**	**0.1314**	**0.1103**	**7.9000e-004**		**9.9800e-003**	**9.9800e-003**		**9.9800e-003**	**9.9800e-003**		**157.6342**	**157.6342**	**3.0200e-003**	**2.8900e-003**	**158.5709**

6.0 Area Detail

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	7.6467	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Unmitigated	7.6467	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596

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	0.8686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7716					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5100e-003	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Total	**7.6467**	**6.4000e-004**	**0.0699**	**1.0000e-005**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**		**0.1497**	**0.1497**	**3.9000e-004**		**0.1596**

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	0.8686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7716					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5100e-003	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Total	**7.6467**	**6.4000e-004**	**0.0699**	**1.0000e-005**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**		**0.1497**	**0.1497**	**3.9000e-004**		**0.1596**

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

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

Agua Mansa Commerce Center (Building 2 Operations)

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	342.00	1000sqft	7.86	342,000.00	0
User Defined Industrial	342.00	User Defined Unit	0.00	0.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provided. As such, SCE was used and the intensity factors adjusted to the reflect the RPS 2022

Land Use - Total Building 2 Area (High-Cube Fulfillment ONLY) is 7.86 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.79
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD1	0.02	0.08
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.03
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblLandUse	LotAcreage	7.85	7.86
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00

tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003

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tblVehicleEF	HHD	1,475.79	1,393.36
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tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006

tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
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tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06

tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
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tblVehicleEF	LDA	0.99	1.78
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tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11

tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
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tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05

tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85

tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47

tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003

tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07

tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004

tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004

tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07

tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09

tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003

tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14

tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87

tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88

tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98

tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003

tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09

tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35

tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
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tblVehicleEF	MH	0.09	0.00
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tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003

tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00

tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003

tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004

tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4200e-003
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tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59

tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
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tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003

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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	66.00	76.30
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tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01

tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
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tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
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tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82

tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
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tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40

tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28

tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75

tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04

tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003

tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004

tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.07
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.03
tblVehicleTrips	WD_TR	1.68	1.75
tblVehicleTrips	WD_TR	0.00	0.39

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	7.6467	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Energy	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
Mobile	2.6580	36.8653	23.2797	0.1887	9.9977	0.3440	10.3416	2.7070	0.3281	3.0350		19,747.6604	19,747.6604	0.2172		19,753.0910
Total	**10.3191**	**36.9973**	**23.4600**	**0.1895**	**9.9977**	**0.3542**	**10.3519**	**2.7070**	**0.3383**	**3.0453**		**19,905.4442**	**19,905.4442**	**0.2206**	**2.8900e-003**	**19,911.8215**

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	7.6467	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Energy	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
Mobile	2.6580	36.8653	23.2797	0.1887	9.9977	0.3440	10.3416	2.7070	0.3281	3.0350		19,747.6604	19,747.6604	0.2172		19,753.0910
Total	**10.3191**	**36.9973**	**23.4600**	**0.1895**	**9.9977**	**0.3542**	**10.3519**	**2.7070**	**0.3383**	**3.0453**		**19,905.4442**	**19,905.4442**	**0.2206**	**2.8900e-003**	**19,911.8215**

	ROG	NOx	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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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**

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	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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

	ROG	NOx	CO	SO2	Fugitive 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	2.6580	36.8653	23.2797	0.1887	9.9977	0.3440	10.3416	2.7070	0.3281	3.0350		19,747.6604	19,747.6604	0.2172		19,753.0910
Unmitigated	2.6580	36.8653	23.2797	0.1887	9.9977	0.3440	10.3416	2.7070	0.3281	3.0350		19,747.6604	19,747.6604	0.2172		19,753.0910

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	600.00	40.87	16.35	1,871,781	1,871,781
User Defined Industrial	132.01	22.23	8.89	1,437,659	1,437,659
Total	732.02	63.10	25.24	3,309,440	3,309,440

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	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.080600	0.025400	0.106100	0.787900	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	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
NaturalGas Unmitigated	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709

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	1339.89	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
User Defined Industrial	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
Total		**0.0145**	**0.1314**	**0.1103**	**7.9000e-004**		**9.9800e-003**	**9.9800e-003**		**9.9800e-003**	**9.9800e-003**		**157.6342**	**157.6342**	**3.0200e-003**	**2.8900e-003**	**158.5709**

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	1.33989	0.0145	0.1314	0.1103	7.9000e-004		9.9800e-003	9.9800e-003		9.9800e-003	9.9800e-003		157.6342	157.6342	3.0200e-003	2.8900e-003	158.5709
User Defined Industrial	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
Total		**0.0145**	**0.1314**	**0.1103**	**7.9000e-004**		**9.9800e-003**	**9.9800e-003**		**9.9800e-003**	**9.9800e-003**		**157.6342**	**157.6342**	**3.0200e-003**	**2.8900e-003**	**158.5709**

6.0 Area Detail

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	7.6467	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Unmitigated	7.6467	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596

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	0.8686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7716					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5100e-003	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Total	**7.6467**	**6.4000e-004**	**0.0699**	**1.0000e-005**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**		**0.1497**	**0.1497**	**3.9000e-004**		**0.1596**

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	0.8686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7716					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5100e-003	6.4000e-004	0.0699	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1497	0.1497	3.9000e-004		0.1596
Total	**7.6467**	**6.4000e-004**	**0.0699**	**1.0000e-005**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**		**0.1497**	**0.1497**	**3.9000e-004**		**0.1596**

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

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

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APPENDIX 3.3:

CALEEMOD CURRENTLY ADOPTED OPERATIONAL EMISSIONS MODEL OUTPUTS

Agua Mansa Commerce Center (Currently Adopted Building 1 Operations)

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	762.34	1000sqft	17.50	762,343.00	0
User Defined Industrial	762.34	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	762.34	1000sqft	17.50	762,342.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provided. As such, SCE was used and the intensity factors adjusted to the reflect the RPS 2022

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

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

Fleet Mix - Project characteristics based on information provided in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	50.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.62
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00

tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.13
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.04
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025

tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
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tblVehicleEF	HHD	9.7780e-003	3.6280e-003
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
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tblVehicleEF	HHD	2.1700e-004	7.9100e-004
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
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tblVehicleEF	HHD	2.2100e-004	8.1200e-004
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tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
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tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDA	0.07	0.17
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tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
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tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21

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tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
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tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDA	0.08	0.22

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tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDT1	0.22	0.30
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tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003

tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004

tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19

tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15

tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06

tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003

tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75

tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10

tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21

tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003

tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003

tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003

tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004

tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57

tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17

tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
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tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03

tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
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tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
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tblVehicleEF	MH	0.09	0.00
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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
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tblVehicleEF	MH	3.19	0.35
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tblVehicleEF	MH	0.04	0.11
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tblVehicleEF	MH	3.2230e-003	4.0000e-003
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tblVehicleEF	MH	0.11	0.00
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tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
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tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
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tblVehicleEF	MH	0.04	3.6580e-003
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tblVehicleEF	MH	3.2230e-003	4.0000e-003
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tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
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tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004

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tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
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tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04

tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
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tblVehicleEF	MHD	0.05	6.4200e-003
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tblVehicleEF	MHD	4.7000e-004	1.4940e-003
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tblVehicleEF	MHD	7.6400e-004	7.5000e-005
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tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
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tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
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tblVehicleEF	MHD	0.04	0.02
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tblVehicleEF	MHD	0.02	0.09
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tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
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tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12

tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
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tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01

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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50

tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06

tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17

tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13

tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003

tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03

tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004

tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.10
tblVehicleTrips	ST_TR	0.00	0.05
tblVehicleTrips	SU_TR	1.68	0.04
tblVehicleTrips	SU_TR	0.00	0.02
tblVehicleTrips	WD_TR	1.68	1.27
tblVehicleTrips	WD_TR	0.00	0.47

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	17.3804	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Energy	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
Mobile	5.6396	87.1990	55.0377	0.4446	21.5844	0.9032	22.4876	5.9295	0.8624	6.7919		48,414.5082	48,414.5082	3.0514		48,490.7939
Offroad	0.3661	3.8029	2.2758	9.5100e-003		0.1312	0.1312		0.1207	0.1207		920.3632	920.3632	0.2977		927.8048
Total	**23.4183**	**91.2968**	**57.7933**	**0.4559**	**21.5844**	**1.0575**	**22.6419**	**5.9295**	**1.0062**	**6.9358**		**49,686.7500**	**49,686.7500**	**3.3571**	**6.4400e-003**	**49,772.5984**

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	17.3804	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Energy	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
Mobile	5.6396	87.1990	55.0377	0.4446	21.5844	0.9032	22.4876	5.9295	0.8624	6.7919		48,414.5082	48,414.5082	3.0514		48,490.7939
Offroad	0.3661	3.8029	2.2758	9.5100e-003		0.1312	0.1312		0.1207	0.1207		920.3632	920.3632	0.2977		927.8048
Total	**23.4183**	**91.2968**	**57.7933**	**0.4559**	**21.5844**	**1.0575**	**22.6419**	**5.9295**	**1.0062**	**6.9358**		**49,686.7500**	**49,686.7500**	**3.3571**	**6.4400e-003**	**49,772.5984**

	ROG	NOx	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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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**

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	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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

	ROG	NOx	CO	SO2	Fugitive 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	5.6396	87.1990	55.0377	0.4446	21.5844	0.9032	22.4876	5.9295	0.8624	6.7919		48,414.5082	48,414.5082	3.0514		48,490.7939
Unmitigated	5.6396	87.1990	55.0377	0.4446	21.5844	0.9032	22.4876	5.9295	0.8624	6.7919		48,414.5082	48,414.5082	3.0514		48,490.7939

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	970.01	74.02	29.66	3,032,882	3,032,882
User Defined Industrial	362.04	40.33	16.09	3,882,521	3,882,521
Total	1,332.04	114.35	45.74	6,915,404	6,915,404

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.126000	0.039800	0.209900	0.624300	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	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
NaturalGas Unmitigated	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2986.71	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
User Defined Industrial	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
Total		**0.0322**	**0.2928**	**0.2460**	**1.7600e-003**		**0.0223**	**0.0223**		**0.0223**	**0.0223**		**351.3781**	**351.3781**	**6.7300e-003**	**6.4400e-003**	**353.4661**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.98671	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
User Defined Industrial	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
Total		**0.0322**	**0.2928**	**0.2460**	**1.7600e-003**		**0.0223**	**0.0223**		**0.0223**	**0.0223**		**351.3781**	**351.3781**	**6.7300e-003**	**6.4400e-003**	**353.4661**

6.0 Area Detail

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	17.3804	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Unmitigated	17.3804	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335

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	1.9942					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.3644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0218	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Total	**17.3804**	**2.1400e-003**	**0.2339**	**2.0000e-005**		**8.4000e-004**	**8.4000e-004**		**8.4000e-004**	**8.4000e-004**		**0.5005**	**0.5005**	**1.3200e-003**		**0.5335**

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	1.9942					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.3644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0218	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Total	**17.3804**	**2.1400e-003**	**0.2339**	**2.0000e-005**		**8.4000e-004**	**8.4000e-004**		**8.4000e-004**	**8.4000e-004**		**0.5005**	**0.5005**	**1.3200e-003**		**0.5335**

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
Tractors/Loaders/Backhoes	3	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.3661	3.8029	2.2758	9.5100e-003		0.1312	0.1312		0.1207	0.1207		920.3632	920.3632	0.2977		927.8048
Total	**0.3661**	**3.8029**	**2.2758**	**9.5100e-003**		**0.1312**	**0.1312**		**0.1207**	**0.1207**		**920.3632**	**920.3632**	**0.2977**		**927.8048**

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

Agua Mansa Commerce Center (Currently Adopted Building 1 Operations)

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	762.34	1000sqft	17.50	762,343.00	0
User Defined Industrial	762.34	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	762.34	1000sqft	17.50	762,342.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provided. As such, SCE was used and the intensity factors adjusted to the reflect the RPS 2022

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

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

Fleet Mix - Project characteristics based on information provided in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	50.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.62
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00

tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.13
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.04
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025

tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43

tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02

tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004

tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
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tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003

tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21

tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22

tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003

tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004

tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19

tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15

tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06

tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003

tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75

tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10

tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21

tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003

tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003

tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003

tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004

tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57

tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17

tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03

tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00

tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
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tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
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tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00

tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00

tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
tblVehicleEF	MHD	0.60	0.52
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004

tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04

tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74

tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07

tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	2.45
tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12

tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
tblVehicleEF	OBUS	0.29	0.34
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01

tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50

tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06

tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17

tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13

tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003

tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03

tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004

tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.10
tblVehicleTrips	ST_TR	0.00	0.05
tblVehicleTrips	SU_TR	1.68	0.04
tblVehicleTrips	SU_TR	0.00	0.02
tblVehicleTrips	WD_TR	1.68	1.27
tblVehicleTrips	WD_TR	0.00	0.47

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	17.3804	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Energy	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
Mobile	5.2607	89.2580	44.0935	0.4382	21.5343	0.9005	22.4349	5.9114	0.8599	6.7712		45,933.1413	45,933.1413	0.4076		45,943.3312
Offroad	0.3661	3.8029	2.2758	9.5100e-003		0.1312	0.1312		0.1207	0.1207		920.3632	920.3632	0.2977		927.8048
Total	**23.0393**	**93.3558**	**46.8491**	**0.4495**	**21.5343**	**1.0548**	**22.5892**	**5.9114**	**1.0037**	**6.9150**		**47,205.3831**	**47,205.3831**	**0.7133**	**6.4400e-003**	**47,225.1357**

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	17.3804	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Energy	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
Mobile	5.2607	89.2580	44.0935	0.4382	21.5343	0.9005	22.4349	5.9114	0.8599	6.7712		45,933.1413	45,933.1413	0.4076		45,943.3312
Offroad	0.3661	3.8029	2.2758	9.5100e-003		0.1312	0.1312		0.1207	0.1207		920.3632	920.3632	0.2977		927.8048
Total	**23.0393**	**93.3558**	**46.8491**	**0.4495**	**21.5343**	**1.0548**	**22.5892**	**5.9114**	**1.0037**	**6.9150**		**47,205.3831**	**47,205.3831**	**0.7133**	**6.4400e-003**	**47,225.1357**

	ROG	NOx	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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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**

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	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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

	ROG	NOx	CO	SO2	Fugitive 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	5.2607	89.2580	44.0935	0.4382	21.5343	0.9005	22.4349	5.9114	0.8599	6.7712		45,933.1413	45,933.1413	0.4076		45,943.3312
Unmitigated	5.2607	89.2580	44.0935	0.4382	21.5343	0.9005	22.4349	5.9114	0.8599	6.7712		45,933.1413	45,933.1413	0.4076		45,943.3312

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	970.01	74.02	29.66	3,032,882	3,032,882
User Defined Industrial	362.04	40.33	16.09	3,882,521	3,882,521
Total	1,332.04	114.35	45.74	6,915,404	6,915,404

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.126000	0.039800	0.209900	0.624300	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	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
NaturalGas Unmitigated	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2986.71	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
User Defined Industrial	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
Total		**0.0322**	**0.2928**	**0.2460**	**1.7600e-003**		**0.0223**	**0.0223**		**0.0223**	**0.0223**		**351.3781**	**351.3781**	**6.7300e-003**	**6.4400e-003**	**353.4661**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.98671	0.0322	0.2928	0.2460	1.7600e-003		0.0223	0.0223		0.0223	0.0223		351.3781	351.3781	6.7300e-003	6.4400e-003	353.4661
User Defined Industrial	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
Total		**0.0322**	**0.2928**	**0.2460**	**1.7600e-003**		**0.0223**	**0.0223**		**0.0223**	**0.0223**		**351.3781**	**351.3781**	**6.7300e-003**	**6.4400e-003**	**353.4661**

6.0 Area Detail

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	17.3804	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Unmitigated	17.3804	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335

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	1.9942					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.3644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0218	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Total	**17.3804**	**2.1400e-003**	**0.2339**	**2.0000e-005**		**8.4000e-004**	**8.4000e-004**		**8.4000e-004**	**8.4000e-004**		**0.5005**	**0.5005**	**1.3200e-003**		**0.5335**

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	1.9942					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.3644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0218	2.1400e-003	0.2339	2.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004		0.5005	0.5005	1.3200e-003		0.5335
Total	**17.3804**	**2.1400e-003**	**0.2339**	**2.0000e-005**		**8.4000e-004**	**8.4000e-004**		**8.4000e-004**	**8.4000e-004**		**0.5005**	**0.5005**	**1.3200e-003**		**0.5335**

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
Tractors/Loaders/Backhoes	3	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.3661	3.8029	2.2758	9.5100e-003		0.1312	0.1312		0.1207	0.1207		920.3632	920.3632	0.2977		927.8048
Total	**0.3661**	**3.8029**	**2.2758**	**9.5100e-003**		**0.1312**	**0.1312**		**0.1207**	**0.1207**		**920.3632**	**920.3632**	**0.2977**		**927.8048**

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

Agua Mansa Commerce Center (Currently Adopted Building 2 Operations)

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	522.68	1000sqft	12.00	522,678.00	0
User Defined Industrial	522.68	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	522.60	1000sqft	12.00	522,600.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provided. As such, SCE was used and the intensity factors adjusted to the reflect the RPS 2022

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

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

Fleet Mix - Project characteristics based on information provided in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Area Coating -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.62
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00

tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.13
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.04
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00

tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006

tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43
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tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23

tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004

tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006

tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
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tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003

tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86

tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36

tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003

tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
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tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18

tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
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tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
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tblVehicleEF	LDT2	0.12	0.37
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tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004

tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004

tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004

tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10

tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91

tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62

tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003

tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21

tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18

tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00

tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00

tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
tblVehicleEF	MHD	0.60	0.52
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49

tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37

tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
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tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02

tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
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tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
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tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	1,121.50	1,406.90
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tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05

tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	0.01	6.7350e-003
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tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
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tblVehicleEF	OBUS	1,121.50	1,406.93
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tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004

tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30

tblVehicleEF	OBUS	1,121.50	1,406.90
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tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
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tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
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tblVehicleEF	OBUS	0.05	0.30
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
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tblVehicleEF	OBUS	0.05	0.30

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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
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tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
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tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06

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tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
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tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
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tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005

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tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
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tblVehicleEF	SBUS	0.02	9.9850e-003
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tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
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tblVehicleEF	SBUS	8.5310e-003	0.06
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tblVehicleEF	SBUS	0.01	3.3630e-003
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tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
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tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
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tblVehicleEF	SBUS	0.03	0.03
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tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
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tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
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tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003

tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
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tblVehicleEF	UBUS	1,846.39	1,692.13
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tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
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tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
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tblVehicleEF	UBUS	1,846.39	1,692.13
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tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
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tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
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tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.10
tblVehicleTrips	ST_TR	0.00	0.05
tblVehicleTrips	SU_TR	1.68	0.04
tblVehicleTrips	SU_TR	0.00	0.02
tblVehicleTrips	WD_TR	1.68	1.27
tblVehicleTrips	WD_TR	0.00	0.47

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	11.9163	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Energy	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
Mobile	3.8610	59.5724	37.6821	0.3040	14.7812	0.6173	15.3985	4.0609	0.5894	4.6503		33,098.6819	33,098.6819	2.0808		33,150.7023
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**16.0434**	**62.3098**	**39.5283**	**0.3116**	**14.7812**	**0.7206**	**15.5018**	**4.0609**	**0.6857**	**4.7466**		**33,953.5125**	**33,953.5125**	**2.2848**	**4.4200e-003**	**34,011.9482**

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	11.9163	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Energy	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
Mobile	3.8610	59.5724	37.6821	0.3040	14.7812	0.6173	15.3985	4.0609	0.5894	4.6503		33,098.6819	33,098.6819	2.0808		33,150.7023
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**16.0434**	**62.3098**	**39.5283**	**0.3116**	**14.7812**	**0.7206**	**15.5018**	**4.0609**	**0.6857**	**4.7466**		**33,953.5125**	**33,953.5125**	**2.2848**	**4.4200e-003**	**34,011.9482**

	ROG	**NOx**	**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	8/28/2021	9/24/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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**

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
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
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
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**

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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**

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
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
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
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**

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	3.8610	59.5724	37.6821	0.3040	14.7812	0.6173	15.3985	4.0609	0.5894	4.6503		33,098.6819	33,098.6819	2.0808		33,150.7023
Unmitigated	3.8610	59.5724	37.6821	0.3040	14.7812	0.6173	15.3985	4.0609	0.5894	4.6503		33,098.6819	33,098.6819	2.0808		33,150.7023

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	664.01	50.75	20.33	2,076,206	2,076,206
User Defined Industrial	248.01	27.65	11.03	2,659,762	2,659,762
Total	912.02	78.40	31.36	4,735,968	4,735,968

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.128700	0.040600	0.209700	0.621000	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	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
NaturalGas Unmitigated	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2047.75	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
User Defined Industrial	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
Total		**0.0221**	**0.2008**	**0.1686**	**1.2000e-003**		**0.0153**	**0.0153**		**0.0153**	**0.0153**		**240.9120**	**240.9120**	**4.6200e-003**	**4.4200e-003**	**242.3436**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.04775	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
User Defined Industrial	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
Total		**0.0221**	**0.2008**	**0.1686**	**1.2000e-003**		**0.0153**	**0.0153**		**0.0153**	**0.0153**		**240.9120**	**240.9120**	**4.6200e-003**	**4.4200e-003**	**242.3436**

6.0 Area Detail

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	11.9163	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Unmitigated	11.9163	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658

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	1.3673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.5341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0149	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Total	**11.9163**	**1.4600e-003**	**0.1603**	**1.0000e-005**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**		**0.3432**	**0.3432**	**9.1000e-004**		**0.3658**

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	1.3673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.5341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0149	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Total	**11.9163**	**1.4600e-003**	**0.1603**	**1.0000e-005**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**		**0.3432**	**0.3432**	**9.1000e-004**		**0.3658**

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
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**0.2440**	**2.5352**	**1.5172**	**6.3400e-003**		**0.0875**	**0.0875**		**0.0805**	**0.0805**		**613.5755**	**613.5755**	**0.1984**		**618.5365**

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

Agua Mansa Commerce Center (Currently Adopted Building 2 Operations)

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	522.68	1000sqft	12.00	522,678.00	0
User Defined Industrial	522.68	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	522.60	1000sqft	12.00	522,600.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provided. As such, SCE was used and the intensity factors adjusted to the reflect the RPS 2022

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

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

Fleet Mix - Project characteristics based on information provided in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Area Coating -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.62
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00

tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.13
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.04
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00

tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006

tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23

tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004

tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006

tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003

tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86

tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36

tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003

tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18

tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004

tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004

tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004

tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10

tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91

tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62

tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003

tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21

tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18

tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00

tblVehicleEF	MH	0.09	0.00
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tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
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tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
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tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
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tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
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tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

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tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
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tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
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tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49

tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
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tblVehicleEF	MHD	0.03	0.02
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tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	MHD	0.02	2.6830e-003
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tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
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tblVehicleEF	MHD	6.4000e-004	2.4400e-004
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tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02

tblVehicleEF	MHD	6.4000e-004	2.4400e-004
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tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05

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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
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tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
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tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
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tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003

tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.10
tblVehicleTrips	ST_TR	0.00	0.05
tblVehicleTrips	SU_TR	1.68	0.04
tblVehicleTrips	SU_TR	0.00	0.02
tblVehicleTrips	WD_TR	1.68	1.27
tblVehicleTrips	WD_TR	0.00	0.47

2.0 Emissions Summary

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					
2021	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	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**

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	11.9163	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Energy	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
Mobile	3.6023	60.9825	30.2104	0.2996	14.7471	0.6155	15.3626	4.0485	0.5877	4.6362		31,405.7697	31,405.7697	0.2793		31,412.7512
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**15.7847**	**63.7200**	**32.0565**	**0.3072**	**14.7471**	**0.7188**	**15.4659**	**4.0485**	**0.6840**	**4.7325**		**32,260.6003**	**32,260.6003**	**0.4832**	**4.4200e-003**	**32,273.9972**

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	11.9163	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Energy	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
Mobile	3.6023	60.9825	30.2104	0.2996	14.7471	0.6155	15.3626	4.0485	0.5877	4.6362		31,405.7697	31,405.7697	0.2793		31,412.7512
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**15.7847**	**63.7200**	**32.0565**	**0.3072**	**14.7471**	**0.7188**	**15.4659**	**4.0485**	**0.6840**	**4.7325**		**32,260.6003**	**32,260.6003**	**0.4832**	**4.4200e-003**	**32,273.9972**

	ROG	NOx	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	8/28/2021	9/24/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 12

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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**

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
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
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
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**

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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**

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
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
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
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**

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	3.6023	60.9825	30.2104	0.2996	14.7471	0.6155	15.3626	4.0485	0.5877	4.6362		31,405.7697	31,405.7697	0.2793		31,412.7512
Unmitigated	3.6023	60.9825	30.2104	0.2996	14.7471	0.6155	15.3626	4.0485	0.5877	4.6362		31,405.7697	31,405.7697	0.2793		31,412.7512

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	664.01	50.75	20.33	2,076,206	2,076,206
User Defined Industrial	248.01	27.65	11.03	2,659,762	2,659,762
Total	912.02	78.40	31.36	4,735,968	4,735,968

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.128700	0.040600	0.209700	0.621000	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	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
NaturalGas Unmitigated	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2047.75	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
User Defined Industrial	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
Total		**0.0221**	**0.2008**	**0.1686**	**1.2000e-003**		**0.0153**	**0.0153**		**0.0153**	**0.0153**		**240.9120**	**240.9120**	**4.6200e-003**	**4.4200e-003**	**242.3436**

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.04775	0.0221	0.2008	0.1686	1.2000e-003		0.0153	0.0153		0.0153	0.0153		240.9120	240.9120	4.6200e-003	4.4200e-003	242.3436
User Defined Industrial	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
Total		**0.0221**	**0.2008**	**0.1686**	**1.2000e-003**		**0.0153**	**0.0153**		**0.0153**	**0.0153**		**240.9120**	**240.9120**	**4.6200e-003**	**4.4200e-003**	**242.3436**

6.0 Area Detail

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	11.9163	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Unmitigated	11.9163	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658

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	1.3673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.5341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0149	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Total	**11.9163**	**1.4600e-003**	**0.1603**	**1.0000e-005**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**		**0.3432**	**0.3432**	**9.1000e-004**		**0.3658**

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	1.3673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.5341					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0149	1.4600e-003	0.1603	1.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		0.3432	0.3432	9.1000e-004		0.3658
Total	**11.9163**	**1.4600e-003**	**0.1603**	**1.0000e-005**		**5.7000e-004**	**5.7000e-004**		**5.7000e-004**	**5.7000e-004**		**0.3432**	**0.3432**	**9.1000e-004**		**0.3658**

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
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	**0.2440**	**2.5352**	**1.5172**	**6.3400e-003**		**0.0875**	**0.0875**		**0.0805**	**0.0805**		**613.5755**	**613.5755**	**0.1984**		**618.5365**

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

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APPENDIX 3.4:

EMFAC2017 EMISSION RATES

EMFAC2017 Derived CalEEMod Annual Emission Rates: Year 2022[1,2]

Season	Pollutant	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
Annual	CH4_IDLEX	0	0	0	0	0.0050851	0.003695113	0.002506877	0.029356376	0.0088195	0	0	0.0596216	0
Annual	CH4_RUNEX	0.002511	0.007576	0.0044093	0.0055203	0.0061022	0.004104298	0.003321213	0.13599332	0.0065956	4.4471247	0.3403666	0.0085844	0.0036581
Annual	CH4_STREX	0.0501486	0.0826572	0.0709165	0.0880071	0.0158535	0.010438222	0.006466798	1.99667E-07	0.0230531	0.0101717	0.2409502	0.0061574	0
Annual	CO_IDLEX	0	0	0	0	0.1781229	0.145213849	0.306081914	5.949976577	0.5193752	0	0	2.5047913	0
Annual	CO_RUNEX	0.6708625	1.5227713	1.0001954	1.1353959	0.7454201	0.496596346	0.32291321	0.670287286	0.770132	34.749389	19.259492	0.7810369	0.3456228
Annual	CO_STREX	2.1123197	2.3872575	2.7143849	3.2491728	1.0307795	0.672008973	0.742649102	0.003788439	2.4474186	0.8905121	8.5959988	0.8221453	0
Annual	CO2_NBIO_IDLEX	0	0	0	0	9.2507984	14.13711968	68.92121199	1124.174368	76.064645	0	0	345.06036	0
Annual	CO2_NBIO_RUNEX	265.14551	314.63378	335.587	415.0989	652.44765	665.2454714	974.5748282	1484.265464	1406.8974	1692.1273	212.03493	1112.1718	970.20504
Annual	CO2_NBIO_STREX	54.120585	65.695546	70.249733	87.324313	11.213673	8.759901098	6.352875619	0.034945266	20.488538	11.773881	60.730311	4.7905446	0
Annual	NOX_IDLEX	0	0	0	0	0.0732221	0.104688067	0.515800985	6.076375771	0.3431042	0	0	3.2862508	0
Annual	NOX_RUNEX	0.0373144	0.1275673	0.0857353	0.1078346	1.2509372	1.355503504	1.613798568	3.41682119	1.241885	0.3822291	1.129145	5.1952739	4.2439663
Annual	NOX_STREX[3]	0.1824467	0.2953594	0.2987658	0.3795807	0.3190663	0.222928046	1.496184373	2.104078617	0.6845205	0.137146	0.2629902	0.9057296	0
Annual	PM10_IDLEX	0	0	0	0	0.0008896	0.00131023	0.001231157	0.003628278	0.0005894	0	0	0.0043578	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060589876	0.13034	0.0728339	0.01176	0.7448002	0.13034
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098774	0.010622799	0.012000003	0.035325231	0.012	0.026486	0.004	0.0108041	0.016
Annual	PM10_RUNEX	0.0015205	0.0023434	0.0016015	0.001685	0.009826	0.012726783	0.035013591	0.028429484	0.0136136	0.0026547	0.0019647	0.0318947	0.1143325
Annual	PM10_STREX	0.0018572	0.0028386	0.0019239	0.0020314	0.0002596	0.000136886	7.52719E-05	9.44989E-07	0.0002182	0.0001414	0.0029599	3.955E-05	0
Annual	PM25_IDLEX	0	0	0	0	0.0008511	0.00125355	0.001177897	0.003471321	0.0005639	0	0	0.0041693	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02596709	0.05586	0.0312145	0.00504	0.3192001	0.05586
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024693	0.0026557	0.003000001	0.008831308	0.003	0.0066215	0.001	0.002701	0.004
Annual	PM25_RUNEX	0.0014	0.0021564	0.0014738	0.0015536	0.0093755	0.012162576	0.033495968	0.02719962	0.0130075	0.0025281	0.0018375	0.0305039	0.1093865
Annual	PM25_STREX	0.0017076	0.0026102	0.001769	0.0018682	0.0002387	0.000125862	6.92098E-05	8.68883E-07	0.0002006	0.00013	0.0027874	3.636E-05	0
Annual	ROG_DIURN	0.059871	0.1905013	0.0973609	0.1146443	0.0030394	0.001704043	0.00045316	5.01984E-06	0.0026021	0.0016779	1.422935	0.0012417	0
Annual	ROG_HTSK	0.100942	0.2621956	0.1415757	0.1685955	0.0845705	0.05067803	0.014922369	0.000160226	0.0242391	0.0095389	0.7987129	0.009512	0
Annual	ROG_IDLEX	0	0	0	0	0.0212921	0.017503442	0.015546555	0.429500781	0.0507962	0	0	0.2803478	0
Annual	ROG_RESTL	0.0483407	0.1353491	0.082393	0.102915	0.0015811	0.000919578	0.000239893	2.97166E-06	0.0011161	0.0007372	0.779223	0.0005903	0
Annual	ROG_RUNEX	0.0095373	0.0335905	0.0181307	0.0233402	0.0620099	0.059206164	0.056447565	0.081711517	0.0504943	0.0652964	2.3253718	0.1052018	0.0787567
Annual	ROG_RUNLS	0.2112005	0.85791	0.4533448	0.4975767	0.5542081	0.315849786	0.082321313	0.00079103	0.2852933	0.0404931	1.9080744	0.0641423	0
Annual	ROG_STREX	0.2201927	0.4247746	0.3325826	0.4378158	0.078984	0.051325408	0.034288939	1.04239E-06	0.1185417	0.0367858	1.8431582	0.0357779	0
Annual	SO2_IDLEX	0	0	0	0	8.959E-05	0.00013534	0.000653127	0.010324735	0.0007253	0	0	0.0032887	0
Annual	SO2_RUNEX	0.0026063	0.0030934	0.0032988	0.0040782	0.0063567	0.006429896	0.009262186	0.013164048	0.0136725	0.0030254	0.0020983	0.0106261	0.0091719
Annual	SO2_STREX	0.0005321	0.0006459	0.0006907	0.0008586	0.000111	8.66863E-05	6.28669E-05	3.45812E-07	0.0002028	0.0001165	0.000601	4.741E-05	0
Annual	TOG_DIURN	0.059889	0.1905585	0.0973901	0.1146786	0.0030394	0.001704043	0.00045316	5.01984E-06	0.0026021	0.0016779	1.422935	0.0012417	0
Annual	TOG_HTSK	0.1009723	0.2622742	0.1416181	0.168646	0.0845705	0.05067803	0.014922369	0.000160226	0.0242391	0.0095389	0.7987129	0.009512	0
Annual	TOG_IDLEX	0	0	0	0	0.0299225	0.023875182	0.02032501	0.49842643	0.0671426	0	0	0.4018426	0
Annual	TOG_RESTL	0.0483552	0.1353897	0.0824178	0.1029459	0.0015811	0.000919578	0.000239893	2.97166E-06	0.0011161	0.0007372	0.779223	0.0005903	0
Annual	TOG_RUNEX	0.0138798	0.0489955	0.0264217	0.0339072	0.0770615	0.069802209	0.065660178	0.226286692	0.0657861	4.5405286	2.8661964	0.1274631	0.0896592
Annual	TOG_RUNLS	0.2112639	0.8581674	0.4534808	0.4977259	0.5542081	0.315849786	0.082321313	0.00079103	0.2852933	0.0404931	1.9080744	0.0641423	0
Annual	TOG_STREX	0.2411787	0.4652589	0.3642807	0.4795383	0.0864776	0.056194861	0.037542072	1.14128E-06	0.1297883	0.0402758	2.0056647	0.0391723	0
Summer	CH4_IDLEX	0	0	0	0	0.0050986	0.003704863	0.002386309	0.03048662	0.0088754	0	0	0.0596891	0
Summer	CH4_RUNEX	0.0028347	0.0084645	0.0049544	0.0062114	0.0062279	0.004145781	0.003344779	0.135994271	0.006735	4.4471413	0.3356313	0.0087142	0.0036581
Summer	CH4_STREX	0.0434955	0.0711812	0.0614118	0.0761678	0.0152418	0.010036258	0.006209855	1.90483E-07	0.0219973	0.0092353	0.2129044	0.0051553	0
Summer	CO_IDLEX	0	0	0	0	0.1781229	0.145213849	0.26224218	5.816581695	0.5090583	0	0	2.4671258	0
Summer	CO_RUNEX	0.8083333	1.8056027	1.1962497	1.3542329	0.7589257	0.501023893	0.325643268	0.67056103	0.7860478	34.750309	19.27555	0.7960042	0.3456228
Summer	CO_STREX	1.7780547	2.0017572	2.2770876	2.7169552	0.9773456	0.637543509	0.701106403	0.00357666	2.2775773	0.7595399	7.9007261	0.5954702	0
Summer	CO2_NBIO_IDLEX	0	0	0	0	9.2507984	14.13711968	69.58563032	1121.036532	75.89573	0	0	352.97835	0
Summer	CO2_NBIO_RUNEX	287.10567	337.48233	357.70983	438.44709	652.47198	665.2532681	974.5796378	1484.265926	1406.9255	1692.129	211.89805	1112.1983	970.20504
Summer	CO2_NBIO_STREX	53.483259	64.873239	69.393407	86.265898	11.117954	8.698115905	6.282062728	0.034609429	20.20014	11.554669	58.878141	4.4116044	0
Summer	NOX_IDLEX	0	0	0	0	0.0732221	0.104688067	0.515942988	5.901205034	0.3350715	0	0	3.355634	0
Summer	NOX_RUNEX	0.0338242	0.1145163	0.0773451	0.0972591	1.1748123	1.277373817	1.519381496	3.226107767	1.1565432	0.379286	0.9747712	4.8782779	4.0016033
Summer	NOX_STREX[3]	0.1702192	0.2754067	0.2786917	0.3540257	0.3063664	0.214074275	1.493647722	2.104058715	0.6739387	0.1304061	0.24763	0.9021888	0
Summer	PM10_IDLEX	0	0	0	0	0.0008896	0.00131023	0.00104068	0.00317522	0.000501	0	0	0.0036811	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060589876	0.13034	0.0728339	0.01176	0.7448002	0.13034
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098774	0.010622799	0.012000003	0.035325231	0.012	0.026486	0.004	0.0108041	0.016
Summer	PM10_RUNEX	0.0015205	0.0023434	0.0016015	0.001685	0.009826	0.012726783	0.035013591	0.028429484	0.0136136	0.0026547	0.0019647	0.0318947	0.1143325
Summer	PM10_STREX	0.0018572	0.0028386	0.0019239	0.0020314	0.0002596	0.000136886	7.52719E-05	9.44989E-07	0.0002182	0.0001414	0.0029599	3.955E-05	0
Summer	PM25_IDLEX	0	0	0	0	0.0008511	0.00125355	0.000995661	0.003037861	0.0004793	0	0	0.0035218	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02596709	0.05586	0.0312145	0.00504	0.3192001	0.05586
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024693	0.0026557	0.003000001	0.008831308	0.003	0.0066215	0.001	0.002701	0.004
Summer	PM25_RUNEX	0.0014	0.0021564	0.0014738	0.0015536	0.0093755	0.012162576	0.033495968	0.02719962	0.0130075	0.0025281	0.0018375	0.0305039	0.1093865
Summer	PM25_STREX	0.0017076	0.0026102	0.001769	0.0018682	0.0002387	0.000125862	6.92098E-05	8.68883E-07	0.0002006	0.00013	0.0027874	3.636E-05	0
Summer	ROG_DIURN	0.1122918	0.3591141	0.1821484	0.2137828	0.0054783	0.003072949	0.000828267	9.86032E-06	0.0046858	0.0030607	2.7723384	0.0022078	0
Summer	ROG_HTSK	0.1140598	0.3100856	0.1609587	0.1877817	0.0967417	0.058157686	0.017228668	0.000182083	0.0268913	0.0112667	1.1143267	0.0099848	0
Summer	ROG_IDLEX	0	0	0	0	0.0212921	0.017503442	0.015061577	0.44923775	0.0514955	0	0	0.2801428	0
Summer	ROG_RESTL	0.0898943	0.2556617	0.1514602	0.1873187	0.0030454	0.001762514	0.000477905	6.58099E-06	0.0022091	0.0014842	1.767628	0.0011133	0
Summer	ROG_RUNEX	0.0106709	0.0373635	0.0202234	0.0260596	0.0626863	0.059386739	0.056559393	0.081717877	0.051161	0.0653378	2.2793623	0.1058624	0.0787567
Summer	ROG_RUNLS	0.2081493	0.8455275	0.4463895	0.4906893	0.5561259	0.317065942	0.082837087	0.000811643	0.285656	0.0393984	1.8797624	0.0589704	0
Summer	ROG_STREX	0.1891739	0.3631622	0.2853268	0.3755016	0.0757002	0.049193815	0.032809885	9.97423E-07	0.1128257	0.0333265	1.6174351	0.0299258	0
Summer	SO2_IDLEX	0	0	0	0	8.959E-05	0.00013534	0.000659489	0.010293096	0.0007237	0	0	0.0033635	0
Summer	SO2_RUNEX	0.0028222	0.003318	0.0035163	0.0043078	0.0063569	0.006429973	0.009262234	0.013164052	0.0136728	0.0030254	0.0020969	0.0106263	0.0091719
Summer	SO2_STREX	0.0005258	0.0006378	0.0006823	0.0008482	0.00011	8.60749E-05	6.21661E-05	3.42488E-07	0.0001999	0.0001143	0.0005826	4.366E-05	0
Summer	TOG_DIURN	0.1123254	0.3592218	0.182203	0.2138469	0.0054783	0.003072949	0.000828267	9.86032E-06	0.0046858	0.0030607	2.7723384	0.0022078	0
Summer	TOG_HTSK	0.114094	0.3101786	0.161007	0.187838	0.0967417	0.058157686	0.017228668	0.000182083	0.0268913	0.0112667	1.1143267	0.0099848	0
Summer	TOG_IDLEX	0	0	0	0	0.0299225	0.023875182	0.019615323	0.521108923	0.0679387	0	0	0.4016093	0
Summer	TOG_RESTL	0.0899213	0.2557384	0.1515056	0.1873748	0.0030454	0.001762514	0.000477905	6.58099E-06	0.0022091	0.0014842	1.767628	0.0011133	0
Summer	TOG_RUNEX	0.0155337	0.0545006	0.0294751	0.0378671	0.0780484	0.070065703	0.065823358	0.226295973	0.0667589	4.540589	2.811637	0.1284269	0.0896592
Summer	TOG_RUNLS	0.2082118	0.8457811	0.4465235	0.4908365	0.5561259	0.317065942	0.082837087	0.000811643	0.285656	0.0393984	1.8797624	0.0589704	0
Summer	TOG_STREX	0.2072035	0.3977744	0.3125211	0.4112861	0.0828822	0.053861035	0.035922694	1.09205E-06	0.1235299	0.0364883	1.7600981	0.032765	0

Winter	CH4_IDLEX	0	0	0	0	0.0050868	0.003696273	0.002683152	0.018657615	0.0087745	0	0	0.0596174	0
Winter	CH4_RUNEX	0.0024595	0.0074306	0.0043219	0.0054045	0.0061097	0.004107724	0.003321206	0.003368303	0.0065995	4.4471251	0.3380167	0.0085765	0.0036581
Winter	CH4_STREX	0.0504766	0.083203	0.0713869	0.0885931	0.0157744	0.010387561	0.006419771	1.98536E-07	0.0230509	0.0102547	0.2376692	0.0063442	0
Winter	CO_IDLEX	0	0	0	0	0.1781229	0.145213849	0.367232024	5.981575427	0.5336223	0	0	2.5568054	0
Winter	CO_RUNEX	0.6442281	1.4669951	0.9619362	1.0918503	0.7461444	0.496899006	0.323004081	0.331191983	0.7706524	34.749434	18.757183	0.7800615	0.3456228
Winter	CO_STREX	2.1157183	2.3918644	2.7219145	3.2585443	1.0243206	0.668014244	0.736815593	0.003758766	2.4531242	0.9034492	8.4367304	0.8592352	0
Winter	CO2_NBIO_IDLEX	0	0	0	0	9.2507984	14.13711968	68.0001011	1097.477971	76.297908	0	0	334.12598	0
Winter	CO2_NBIO_RUNEX	261.05996	310.37973	331.47008	410.75231	652.44895	665.2460099	974.5749866	1393.364139	1406.8983	1692.1274	211.16891	1112.1701	970.20504
Winter	CO2_NBIO_STREX	54.130665	65.711463	70.268838	87.348496	11.201968	8.752640942	6.342989048	0.034898214	20.497557	11.795351	60.384313	4.8530132	0
Winter	NOX_IDLEX	0	0	0	0	0.0732221	0.104688067	0.515604396	6.134648763	0.3541969	0	0	3.1904359	0
Winter	NOX_RUNEX	0.0357144	0.1222929	0.0821108	0.1032983	1.2305484	1.334381677	1.586931331	3.279278901	1.219445	0.3815239	1.0949706	5.118713	4.1746013
Winter	NOX_STREX[3]	0.1812511	0.2935605	0.2968511	0.3771769	0.3149779	0.220060449	1.495548849	2.104073738	0.6818154	0.1361885	0.2609966	0.9061097	0
Winter	PM10_IDLEX	0	0	0	0	0.0008896	0.00131023	0.001494195	0.003864686	0.0007116	0	0	0.0052923	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.059002456	0.13034	0.0728339	0.01176	0.7448002	0.13034
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098774	0.010622799	0.012000003	0.034399622	0.012	0.026486	0.004	0.0108041	0.016
Winter	PM10_RUNEX	0.0015205	0.0023434	0.0016015	0.001685	0.009826	0.012726783	0.035013591	0.028273632	0.0136136	0.0026547	0.0019647	0.0318947	0.1143325
Winter	PM10_STREX	0.0018572	0.0028386	0.0019239	0.0020314	0.0002596	0.000136886	7.52719E-05	9.44989E-07	0.0002182	0.0001414	0.0029599	3.955E-05	0
Winter	PM25_IDLEX	0	0	0	0	0.0008511	0.00125355	0.001429557	0.003697502	0.0006808	0	0	0.0050633	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025286767	0.05586	0.0312145	0.00504	0.3192001	0.05586
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024693	0.0026557	0.003000001	0.008599905	0.003	0.0066215	0.001	0.002701	0.004
Winter	PM25_RUNEX	0.0014	0.0021564	0.0014738	0.0015536	0.0093755	0.012162576	0.033495968	0.02705051	0.0130075	0.0025281	0.0018375	0.0305039	0.1093865
Winter	PM25_STREX	0.0017076	0.0026102	0.001769	0.0018682	0.0002387	0.000125862	6.92098E-05	8.68883E-07	0.0002006	0.00013	0.0027874	3.636E-05	0
Winter	ROG_DIURN	0.0571558	0.1879088	0.0914014	0.1055327	0.003152	0.001714328	0.000470673	5.32641E-06	0.002739	0.0016874	1.5735307	0.0012073	0
Winter	ROG_HTSK	0.1105587	0.3005524	0.1558745	0.182272	0.0990207	0.058382004	0.016659725	0.000186681	0.0263554	0.01068	1.0568137	0.0100766	0
Winter	ROG_IDLEX	0	0	0	0	0.0212921	0.017503442	0.016225643	0.401693337	0.0498305	0	0	0.2806308	0
Winter	ROG_RESTL	0.0461666	0.1287548	0.0787752	0.0986676	0.00161	0.00092205	0.000244015	3.16348E-06	0.0011655	0.0007448	0.7426775	0.0006013	0
Winter	ROG_RUNEX	0.0093396	0.0329181	0.0177631	0.0228284	0.0620448	0.059219786	0.056450881	0.071960973	0.0505139	0.0652984	2.3059588	0.1051667	0.0787567
Winter	ROG_RUNLS	0.2380793	1.0011481	0.5242295	0.5708384	0.5956469	0.340844353	0.089738272	0.000829096	0.3039547	0.0468464	2.1751002	0.0770407	0
Winter	ROG_STREX	0.2215737	0.4273136	0.3346868	0.4405544	0.0785469	0.051048872	0.034098264	1.03659E-06	0.1185343	0.0370728	1.8149853	0.0368737	0
Winter	SO2_IDLEX	0	0	0	0	8.959E-05	0.00013534	0.000644307	0.010368428	0.0007275	0	0	0.0031854	0
Winter	SO2_RUNEX	0.0025661	0.0030516	0.0032583	0.0040355	0.0063567	0.006429901	0.009262188	0.013164048	0.0136725	0.0030254	0.0020897	0.0106261	0.0091719
Winter	SO2_STREX	0.0005322	0.0006461	0.0006909	0.0008588	0.0001109	8.66145E-05	6.2769E-05	3.45346E-07	0.0002028	0.0001167	0.0005976	4.802E-05	0
Winter	TOG_DIURN	0.057173	0.1879652	0.0914289	0.1055644	0.003152	0.001714328	0.000470673	5.32641E-06	0.002739	0.0016874	1.5735307	0.0012073	0
Winter	TOG_HTSK	0.1105918	0.3006426	0.1559212	0.1823266	0.0990207	0.058382004	0.016659725	0.000186681	0.0263554	0.01068	1.0568137	0.0100766	0
Winter	TOG_IDLEX	0	0	0	0	0.0299225	0.023875182	0.021318707	0.457297286	0.0660432	0	0	0.4021648	0
Winter	TOG_RESTL	0.0461805	0.1287935	0.0787988	0.0986972	0.00161	0.00092205	0.000244015	3.16348E-06	0.0011655	0.0007448	0.7426775	0.0006013	0
Winter	TOG_RUNEX	0.0135913	0.0480151	0.0258856	0.0331639	0.0771124	0.069822086	0.065665017	0.081982635	0.0658146	4.5405315	2.8427129	0.1274118	0.0896592
Winter	TOG_RUNLS	0.2381508	1.0014484	0.5243868	0.5710097	0.5956469	0.340844353	0.089738272	0.000829096	0.3039547	0.0468464	2.1751002	0.0770407	0
Winter	TOG_STREX	0.2426913	0.4680399	0.3665856	0.4825381	0.085999	0.055892089	0.037333308	1.13494E-06	0.1297801	0.0405901	1.9750313	0.0403721	0

1 Source: California Air Resources Board. EMFAC2017 Web Database. https://www.arb.ca.gov/emfac/2017/; California Air Pollution Control Officers Association (CAPCOA). 2017, November. California Emissions Estimator Model User's Guide, Version 2016.3.2, Appendix A.

2 Unless otherwise noted, per CalEEMod methodology, the calculated CalEEMod emission rates are derived from the emission rates obtained using the EMFAC2017 Web Database for the San Bernardino (SC) region .

3 Because EMFAC2017 provides vehicle trips data for MHDT and HHDT diesel trucks, the formula provided in Appendix A of the CalEEMod User's Guide in calculating the NO_X STREX emission rates are utilized.

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APPENDIX 3.5:

SCAQMD AMICUS BRIEF

S219783

IN THE SUPREME COURT OF C ALIFORNIA

SIERRA CLUB, REVIVE THE SAN JOAQUIN, and
LEAGUE OF WOMEN VOTERS OF FRESNO,

Plaintiffs and Appellants,

v.

COUNTY OF FRESNO,

Defendant and Respondent,

and,

FRIANT RANCH, L.P.,

Real Party in Interest and Respondent.

SUPREME COURT
FILED

APR 13 2015

Frank A. McGuire Clerk

Deputy

After a Published Decision by the Court of Appeal, filed May 27, 2014
Fifth Appellate District Case No. F066798

Appeal from the Superior Court of California, County of Fresno
Case No. 11CECG00726
Honorable Rosendo A. Pena, Jr.

APPLICATION OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR LEAVE TO FILE BRIEF OF *AMICUS CURIAE* IN SUPPORT OF NEITHER PARTY AND *[PROPOSED]* BRIEF OF *AMICUS CURIAE*

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TO THE HONORABLE CHIEF JUSTICE AND JUSTICES OF THE SUPREME COURT:

APPLICATION FOR LEAVE TO FILE *AMICUS CURIAE* BRIEF

Pursuant to Rule 8.520(f) of the California Rules of Court, the South Coast Air Quality Management District (SCAQMD) respectfully requests leave to file the attached *amicus curiae* brief. Because SCAQMD's position differs from that of either party, we request leave to submit this amicus brief in support of neither party.

HOW THIS BRIEF WILL ASSIST THE COURT

SCAQMD's proposed amicus brief takes a position on two of the issues in this case. In both instances, its position differs from that of either party. The issues are:

1) Does the California Environmental Quality Act (CEQA) require an environmental impact report (EIR) to correlate a project's air pollution emissions with specific levels of health impacts?
2) What is the proper standard of review for determining whether an EIR provides sufficient information on the health impacts caused by a project's emission of air pollutants?

This brief will assist the Court by discussing the practical realities of correlating identified air quality impacts with specific health outcomes. In short, CEQA requires agencies to provide detailed information about a project's air quality impacts that is sufficient for the public and decisionmakers to adequately evaluate the project and meaningfully understand its impacts. However, the level of analysis is governed by a rule of reason; CEQA only requires agencies to conduct analysis if it is reasonably feasible to do so.

With regard to health-related air quality impacts, an analysis that correlates a project's air pollution emissions with specific levels of health impacts will be feasible in some cases but not others. Whether it is feasible depends on a variety of factors, including the nature of the project and the nature of the analysis under consideration. The feasibility of analysis may also change over time as air districts and others develop new tools for measuring projects' air quality related health impacts. Because SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, it is uniquely situated to express an opinion on the extent to which the Court should hold that CEQA requires lead agencies to correlate air quality impacts with specific health outcomes.

SCAQMD can also offer a unique perspective on the question of the appropriate standard of review. SCAQMD submits that the proper standard of review for determining whether an EIR is sufficient as an informational document is more nuanced than argued by either party. In our view, this is a mixed question of fact and law. It includes determining whether additional analysis is feasible, which is primarily a factual question that should be reviewed under the substantial evidence standard. However, it also involves determining whether the omission of a particular analysis renders an EIR insufficient to serve CEQA's purpose as a meaningful, informational document. If a lead agency has not determined that a requested analysis is infeasible, it is the court's role to determine whether the EIR nevertheless meets CEQA's purposes, and courts should not defer to the lead agency's conclusions regarding the legal sufficiency of an EIR's analysis. The ultimate question of whether an EIR's analysis is "sufficient" to serve CEQA's informational purposes is predominately a question of law that courts should review de novo.

This brief will explain the rationale for these arguments and may assist the Court in reaching a conclusion that accords proper respect to a lead agency's factual conclusions while maintaining judicial authority over the ultimate question of what level of analysis CEQA requires.

STATEMENT OF INTEREST OF *AMICUS CURIAE*

The SCAQMD is the regional agency primarily responsible for air pollution control in the South Coast Air Basin, which consists of all of Orange County and the non-desert portions of the Los Angeles, Riverside, and San Bernardino Counties. (Health & Saf. Code § 40410; Cal. Code Regs., tit. 17, § 60104.) The SCAQMD participates in the CEQA process in several ways. Sometimes it acts as a lead agency that prepares CEQA documents for projects. Other times it acts as a responsible agency when it has permit authority over some part of a project that is undergoing CEQA review by a different lead agency. Finally, SCAQMD also acts as a commenting agency for CEQA documents that it receives because it is a public agency with jurisdiction by law over natural resources affected by the project.

In all of these capacities, SCAQMD will be affected by the decision in this case. SCAQMD sometimes submits comments requesting that a lead agency perform an additional type of air quality or health impacts analysis. On the other hand, SCAQMD sometimes determines that a particular type of health impact analysis is not feasible or would not produce reliable and informative results. Thus, SCAQMD will be affected by the Court's resolution of the extent to which CEQA requires EIRs to correlate emissions and health impacts, and its resolution of the proper standard of review.

CERTIFICATION REGARDING AUTHORSHIP AND FUNDING

No party or counsel in the pending case authored the proposed amicus curiae brief in whole or in part, or made any monetary contribution intended to fund the preparation or submission of the brief. No person or entity other than the proposed *Amicus Curiae* made any monetary contribution intended to fund the preparation or submission of the brief.

Respectfully submitted,

DATED: April 3, 2015

SOUTH COAST AIR QUALITY
MANAGEMENT DISTRICT
KURT R. WIESE, GENERAL COUNSEL
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By: Barbara Baird
Barbara Baird
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SOUTH COAST AIR QUALITY
MANAGEMENT DISTICT

BRIEF OF AMICUS CURIAE

SUMMARY OF ARGUMENT

The South Coast Air Quality Management District (SCAQMD) submits that this Court should not try to establish a hard-and-fast rule concerning whether lead agencies are required to correlate emissions of air pollutants with specific health consequences in their environmental impact reports (EIR). The level of detail required in EIRs is governed by a few, core CEQA (California Environmental Quality Act) principles. As this Court has stated, "[a]n EIR must include detail sufficient to enable those who did not participate in its preparation to understand and to consider meaningfully the issues raised by the proposed project." (*Laurel Heights Improvement Assn. v. Regents of the Univ of Cal.* (1988) 47 Cal.3d 376, 405 ["*Laurel Heights I*"]) Accordingly, "an agency must use its best efforts to find out and disclose all that it reasonably can." (*Vineyard Area Citizens for Responsible Growth, Inc. v. City of Rancho Cordova* (2007) 40 Cal.4th 412, 428 (quoting CEQA Guidelines § 15144)[1].). However, "[a]nalysis of environmental effects need not be exhaustive, but will be judged in light of what is reasonably feasible." (*Association of Irritated Residents v. County of Madera* (2003) 107 Cal.App.4th 1383, 1390; CEQA Guidelines §§ 15151, 15204(a).)

With regard to analysis of air quality related health impacts, EIRs must generally quantify a project's pollutant emissions, but in some cases it is not feasible to correlate these emissions to specific, quantifiable health impacts (e.g., premature mortality; hospital admissions). In such cases, a general description of the adverse health impacts resulting from the pollutants at issue may be sufficient. In other cases, due to the magnitude

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[1] The CEQA Guidelines are found at Cal. Code Regs., tit. 14 §§ 15000, *et seq*.

or nature of the pollution emissions, as well as the specificity of the project involved, it may be feasible to quantify health impacts. Or there may be a less exacting, but still meaningful analysis of health impacts that can feasibly be performed. In these instances, agencies should disclose those impacts.

SCAQMD also submits that whether or not an EIR complies with CEQA's informational mandates by providing sufficient, feasible analysis is a mixed question of fact and law. Pertinent here, the question of whether an EIR's discussion of health impacts from air pollution is sufficient to allow the public to understand and consider meaningfully the issues involves two inquiries: (1) Is it feasible to provide the information or analysis that a commenter is requesting or a petitioner is arguing should be required?; and (2) Even if it is feasible, is the agency relying on other policy or legal considerations to justify not preparing the requested analysis? The first question of whether an analysis is feasible is primarily a question of fact that should be judged by the substantial evidence standard. The second inquiry involves evaluating CEQA's information disclosure purposes against the asserted reasons to not perform the requested analysis. For example, an agency might believe that its EIR meets CEQA's informational disclosure standards even without a particular analysis, and therefore choose not to conduct that analysis. SCAQMD submits that this is more of a legal question, which should be reviewed de novo as a question of law.

ARGUMENT

I. RELEVANT FACTUAL AND LEGAL FRAMEWORK.

A. Air Quality Regulatory Background

The South Coast Air Quality Management District (SCAQMD) is one of the local and regional air pollution control districts and air quality

management districts in California. The SCAQMD is the regional air pollution agency for the South Coast Air Basin, which consists of all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. (Health & Saf. Code § 40410, 17 Cal. Code Reg. § 60104.) The SCAQMD also includes the Coachella Valley in Riverside County (Palm Springs area to the Salton Sea). (SCAQMD, *Final 2012 AQMP (Feb. 2013)*, http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan; then follow "chapter 7" hyperlink; pp 7-1, 7-3 (last visited Apr. 1, 2015).) The SCAQMD's jurisdiction includes over 16 million residents and has the worst or nearly the worst air pollution levels in the country for ozone and fine particulate matter. (SCAQMD, *Final 2012 AQMP (Feb. 2013)*, http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan; then follow "Executive Summary" hyperlink p. ES-1 (last visited Apr. 1, 2015).)

Under California law, the local and regional districts are primarily responsible for controlling air pollution from all sources except motor vehicles. (Health & Saf. Code § 40000.) The California Air Resources Board (CARB), part of the California Environmental Protection Agency, is primarily responsible for controlling pollution from motor vehicles. (*Id.*) The air districts must adopt rules to achieve and maintain the state and federal ambient air quality standards within their jurisdictions. (Health & Saf. Code § 40001.)

The federal Clean Air Act (CAA) requires the United States Environmental Protection Agency (EPA) to identify pollutants that are widely distributed and pose a threat to human health, developing a so-called "criteria" document. (42 U.S.C. § 7408; CAA § 108.) These pollutants are frequently called "criteria pollutants." EPA must then establish "national ambient air quality standards" at levels "requisite to protect public health",

allowing "an adequate margin of safety." (42 U.S.C. § 7409; CAA § 109.) EPA has set standards for six identified pollutants: ozone, nitrogen dioxide, sulfur dioxide, carbon monoxide, particulate matter (PM), and lead. (U.S. EPA, National Ambient Air Quality Standards (NAAQS), http://www.epa.gov/air/criteria.html (last updated Oct. 21, 2014).)[2]

Under the Clean Air Act, EPA sets emission standards for motor vehicles and "nonroad engines" (mobile farm and construction equipment, marine vessels, locomotives, aircraft, etc.). (42 U.S.C. §§ 7521, 7547; CAA §§ 202, 213.) California is the only state allowed to establish emission standards for motor vehicles and most nonroad sources; however, it may only do so with EPA's approval. (42 U.S.C. §§ 7543(b), 7543(e); CAA §§ 209(b), 209(c).) Sources such as manufacturing facilities, power plants and refineries that are not mobile are often referred to as "stationary sources." The Clean Air Act charges state and local agencies with the primary responsibility to attain the national ambient air quality standards. (42 U.S.C. § 7401(a)(3); CAA § 101(a)(3).) Each state must adopt and implement a plan including enforceable measures to achieve and maintain the national ambient air quality standards. (42 U.S.C. § 7410; CAA § 110.) The SCAQMD and CARB jointly prepare portion of the plan for the South Coast Air Basin and submit it for approval by EPA. (Health & Saf. Code §§ 40460, et seq.)

The Clean Air Act also requires state and local agencies to adopt a permit program requiring, among other things, that new or modified "major" stationary sources use technology to achieve the "lowest achievable emission rate," and to control minor stationary sources as

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[2] Particulate matter (PM) is further divided into two categories: fine particulate or $PM_{2.5}$ (particles with a diameter of less than or equal to 2.5 microns) and coarse particulate (PM_{10}) (particles with a diameter of 10 microns or less). (U.S. EPA, Particulate Matter (PM), http://www.epa.gov/airquality/particlepollution/ (last visited Apr. 1, 2015).)

needed to help attain the standards. (42 U.S.C. §§ 7502(c)(5), 7503(a)(2), 7410(a)(2)(C); CAA §§ 172(c)(5), 173(a)(2), 110(a)(2)(C).) The air districts implement these permit programs in California. (Health & Saf. Code §§ 42300, et seq.)

The Clean Air Act also sets out a regulatory structure for over 100 so-called "hazardous air pollutants" calling for EPA to establish "maximum achievable control technology" (MACT) for sources of these pollutants. (42 U.S.C. § 7412(d)(2); CAA § 112(d)(2).) California refers to these pollutants as "toxic air contaminants" (TACs) which are subject to two state-required programs. The first program requires "air toxics control measures" for specific categories of sources. (Health & Saf. Code § 39666.) The other program requires larger stationary sources and sources identified by air districts to prepare "health risk assessments" for impacts of toxic air contaminants. (Health & Saf. Code §§ 44320(b), 44322, 44360.) If the health risk exceeds levels identified by the district as "significant," the facility must implement a "risk reduction plan" to bring its risk levels below "significant" levels. Air districts may adopt additional more stringent requirements than those required by state law, including requirements for toxic air contaminants. (Health & Saf. Code § 41508; *Western Oil & Gas Assn. v. Monterey Bay Unified APCD* (1989) 49 Cal.3d 408, 414.) For example, SCAQMD has adopted a rule requiring new or modified sources to keep their risks below specified levels and use best available control technology (BACT) for toxics. (SCAQMD, *Rule 1401-New Source Review of Toxic Air Contaminants*, http://www.aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-xiv; then follow "Rule 1401" hyperlink (last visited Apr. 1, 2015).)

B. The SCAQMD's Role Under CEQA

The California Environmental Quality Act (CEQA) requires public agencies to perform an environmental review and appropriate analysis for projects that they implement or approve. (Pub. Resources Code § 21080(a).) The agency with primary approval authority for a particular project is generally the "lead agency" that prepares the appropriate CEQA document. (CEQA Guidelines §§ 15050, 15051.) Other agencies having a subsequent approval authority over all or part of a project are called "responsible" agencies that must determine whether the CEQA document is adequate for their use. (CEQA Guidelines §§ 15096(c), 15381.) Lead agencies must also consult with and circulate their environmental impact reports to "trustee agencies" and agencies "with jurisdiction by law" including "authority over resources which may be affected by the project." (Pub. Resources Code §§ 21104(a), 21153; CEQA Guidelines §§ 15086(a)(3), 15073(c).) The SCAQMD has a role in all these aspects of CEQA.

Fulfilling its responsibilities to implement its air quality plan and adopt rules to attain the national ambient air quality standards, SCAQMD adopts a dozen or more rules each year to require pollution reductions from a wide variety of sources. The SCAQMD staff evaluates each rule for any adverse environmental impact and prepares the appropriate CEQA document. Although most rules reduce air emissions, they may have secondary environmental impacts such as use of water or energy or disposal of waste—e.g., spent catalyst from control equipment.[3]

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[3] The SCAQMD's CEQA program for its rules is a "Certified Regulatory Program" under which it prepares a "functionally equivalent" document in lieu of a negative declaration or EIR. (Pub. Resources Code § 21080.5, CEQA Guidelines § 15251(l).)

The SCAQMD also approves a large number of permits every year to construct new, modified, or replacement facilities that emit regulated air pollutants. The majority of these air pollutant sources have already been included in an earlier CEQA evaluation for a larger project, are currently being evaluated by a local government as lead agency, or qualify for an exemption. However, the SCAQMD sometimes acts as lead agency for major projects where the local government does not have a discretionary approval. In such cases, SCAQMD prepares and certifies a negative declaration or environmental impact report (EIR) as appropriate.[4] SCAQMD evaluates perhaps a dozen such permit projects under CEQA each year. SCAQMD is often also a "responsible agency" for many projects since it must issue a permit for part of the projects (e.g., a boiler used to provide heat in a commercial building). For permit projects evaluated by another lead agency under CEQA, SCAQMD has the right to determine that the CEQA document is inadequate for its purposes as a responsible agency, but it may not do so because its permit program already requires all permitted sources to use the best available air pollution control technology. (SCAQMD, *Rule 1303(a)(1) – Requirements*, http://www.aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-xiii; then follow "Rule 1303" hyperlink (last visited Apr. 1, 2015).)

Finally, SCAQMD receives as many as 60 or more CEQA documents each month (around 500 per year) in its role as commenting agency or an agency with "jurisdiction by law" over air quality—a natural resource affected by the project. (Pub. Resources Code §§ 21104(a), 21153; CEQA Guidelines § 15366(a)(3).) The SCAQMD staff provides comments on as many as 25 or 30 such documents each month.

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[4] The SCAQMD's permit projects are not included in its Certified Regulatory Program, and are evaluated under the traditional local government CEQA analysis. (Pub. Resources Code §§ 21150-21154.)

(SCAQMD Governing Board Agenda, Apr. 3, 2015, Agenda Item 16, Attachment A, http://www.aqmd.gov/home/library/meeting-agendas-minutes/agenda?title=governing-board-meeting-agenda-april-3-2015; then follow "16. Lead Agency Projects and Environmental Documents Received by SCAQMD" hyperlink (last visited Apr. 1, 2015).) Of course, SCAQMD focuses its commenting efforts on the more significant projects.

Typically, SCAQMD comments on the adequacy of air quality analysis, appropriateness of assumptions and methodology, and completeness of the recommended air quality mitigation measures. Staff may comment on the need to prepare a health risk assessment detailing the projected cancer and noncancer risks from toxic air contaminants resulting from the project, particularly the impacts of diesel particulate matter, which CARB has identified as a toxic air contaminant based on its carcinogenic effects. (California Air Resources Board, Resolution 98-35, Aug. 27, 1998, http://www.arb.ca.gov/regact/diesltac/diesltac.htm; then follow Resolution 98-35 hyperlink (last visited Apr. 1, 2015).) Because SCAQMD already requires new or modified stationary sources of toxic air contaminants to use the best available control technology for toxics and to keep their risks below specified levels, (SCAQMD Rule 1401, supra, note 15), the greatest opportunity to further mitigate toxic impacts through the CEQA process is by reducing emissions—particularly diesel emissions—from vehicles.

II. THIS COURT SHOULD NOT SET A HARD-AND-FAST RULE CONCERNING THE EXTENT TO WHICH AN EIR MUST CORRELATE A PROJECT'S EMISSION OF POLLUTANTS WITH RESULTING HEALTH IMPACTS.

Numerous cases hold that courts do not review the correctness of an EIR's conclusions but rather its sufficiency as an informative document. (*Laurel Heights 1*, *supra*, 47 Cal.3d at p. 392; *Citizens of Goleta Valley v.*

Bd. of Supervisors (1990) 52 Cal.3d 553, 569; *Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) 124 Cal.App.4th 1184, 1197.)

As stated by the Court of Appeal in this case, where an EIR has addressed a topic, but the petitioner claims that the information provided about that topic is insufficient, courts must "draw[] a line that divides *sufficient* discussions from those that are *insufficient*." (*Sierra Club v. County of Fresno* (2014) 226 Cal.App.4th 704 (superseded by grant of review) 172 Cal.Rptr.3d 271, 290.) The Court of Appeal readily admitted that "[t]he terms themselves – sufficient and insufficient – provide little, if any, guidance as to where the line should be drawn. They are simply labels applied once the court has completed its analysis." (*Id.*)

The CEQA Guidelines, however, provide guidance regarding what constitutes a sufficient discussion of impacts. Section 15151 states that "the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible." Case law reflects this: "Analysis of environmental effects need not be exhaustive, but will be judged in light of what was reasonably feasible." (*Association of Irritated Residents v. County of Madera, supra,* 107 Cal.App.4th at p. 1390; see also CEQA Guidelines § 15204(a).)

Applying this test, this Court cannot realistically establish a hard-and-fast rule that an analysis correlating air pollution impacts of a project to quantified resulting health impacts is always required, or indeed that it is never required. Simply put, in some cases such an analysis will be "feasible"; in some cases it will not.

For example, air pollution control districts often require a proposed new source of toxic air contaminants to prepare a "health risk assessment" before issuing a permit to construct. District rules often limit the allowable cancer risk the new source may cause to the "maximally exposed individual" (worker and residence exposures). (*See, e.g.*, SCAQMD Rule 1401(c)(8); 1401(d)(1), *supra* note 15.) In order to perform this analysis, it

is necessary to have data regarding the sources and types of air toxic contaminants, location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors (worker and residence). (SCAQMD, *Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act (AB2588), pp. 11-16*; (last visited Apr. 1, 2015) http://www.aqmd.gov/home/library/documents-support-material; "Guidelines" hyperlink; AB2588; then follow AB2588 Risk Assessment Guidelines hyperlink.)

Thus, it is feasible to determine the health risk posed by a new gas station locating at an intersection in a mixed use area, where receptor locations are known. On the other hand, it may not be feasible to perform a health risk assessment for airborne toxics that will be emitted by a generic industrial building that was built on "speculation" (i.e., without knowing the future tenant(s)). Even where a health risk assessment can be prepared, however, the resulting maximum health risk value is only a calculation of risk—it does not necessarily mean anyone will contract cancer as a result of the project.

In order to find the "cancer burden" or expected additional cases of cancer resulting from the project, it is also necessary to know the numbers and location of individuals living within the "zone of impact" of the project: i.e., those living in areas where the projected cancer risk from the project exceeds one in a million. (SCAQMD, Health Risk Assessment Summary form, http://www.aqmd.gov/home/forms ; filter by "AB2588" category; then "Health Risk Assessment" hyperlink (last visited Apr. 1, 2015).) The affected population is divided into bands of those exposed to at least 1 in a million risk, those exposed to at least 10 in a million risk, etc. up to those exposed at the highest levels. (*Id.*) This data allows agencies to calculate an approximate number of additional cancer cases expected from

the project. However, it is not possible to predict which particular individuals will be affected.

For the so-called criteria pollutants[5], such as ozone, it may be more difficult to quantify health impacts. Ozone is formed in the atmosphere from the chemical reaction of the nitrogen oxides (NO_x) and volatile organic compounds (VOC) in the presence of sunlight. (U.S. EPA, Ground Level Ozone, http://www.epa.gov/airquality/ozonepollution/ (last updated Mar. 25, 2015).) It takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources. (U.S. EPA, *Guideline on Ozone Monitoring Site Selection* (Aug. 1998) EPA-454/R-98-002 § 5.1.2, http://www.epa.gov/ttnamti1/archive/cpreldoc.html (last visited Apr. 1, 2015).) NO_x and VOC are known as "precursors" of ozone.

Scientifically, health effects from ozone are correlated with increases in the ambient level of ozone in the air a person breathes. (U.S. EPA, *Health Effects of Ozone in the General Population,* Figure 9, http://www.epa.gov/apti/ozonehealth/population.html#levels (last visited Apr. 1, 2015).) However, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels over an entire region. For example, the SCAQMD's 2012 AQMP showed that reducing NO_x by 432 tons per day (157,680 tons/year) and reducing VOC by 187 tons per day (68,255 tons/year) would reduce ozone levels at the SCAQMD's monitor site with the highest levels by only 9 parts per billion. (South Coast Air Quality Management District, *Final 2012 AQMP (February 2013)*, http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan; then follow "Appendix V: Modeling & Attainment Demonstrations" hyperlink,

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[5] See discussion of types of pollutants, supra, Part I.A.

pp. v-4-2, v-7-4, v-7-24.) SCAQMD staff does not currently know of a way to accurately quantify ozone-related health impacts caused by NO_x or VOC emissions from relatively small projects.

On the other hand, this type of analysis may be feasible for projects on a regional scale with very high emissions of NO_x and VOCs, where impacts are regional. For example, in 2011 the SCAQMD performed a health impact analysis in its CEQA document for proposed Rule 1315, which authorized various newly-permitted sources to use offsets from the districts "internal bank" of emission reductions. This CEQA analysis accounted for essentially *all* the increases in emissions due to new or modified sources in the District between 2010 and 2030.[6] The SCAQMD was able to correlate this very large emissions increase (e.g., 6,620 pounds per day NO_x (1,208 tons per year), 89,180 pounds per day VOC (16,275 tons per year)) to expected health outcomes from ozone and particulate matter (e.g., 20 premature deaths per year and 89,947 school absences in the year 2030 due to ozone).[7] (SCAQMD Governing Board Agenda, February 4, 2011, Agenda Item 26, *Assessment for: Re-adoption of Proposed Rule 1315 – Federal New Source Review Tracking System* (see hyperlink in fn 6) at p. 4.1-35, Table 4.1-29.)

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[6] (SCAQMD Governing Board Agenda, February 4, 2011, Agenda Item 26, Attachment G, *Assessment for: Re-adoption of Proposed Rule 1315 – Federal New Source Review Tracking System, Vol. 1, p.4.0-6*, http://www.aqmd.gov/home/library/meeting-agendas-minutes/agenda?title=governing-board-meeting-agenda-february-4-2011; the follow "26. Adopt Proposed Rule 1315 – Federal New Source Review Tracking System" (last visited April 1, 2015).)

[7] The SCAQMD was able to establish the location of future NO_x and VOC emissions by assuming that new projects would be built in the same locations and proportions as existing stationary sources. This CEQA document was upheld by the Los Angeles County Superior Court in *Natural Res. Def. Council v SCAQMD*, Los Angeles Superior Court No. BS110792).

However, a project emitting only 10 tons per year of NO_x or VOC is small enough that its regional impact on ambient ozone levels may not be detected in the regional air quality models that are currently used to determine ozone levels. Thus, in this case it would not be feasible to directly correlate project emissions of VOC or NO_x with specific health impacts from ozone. This is in part because ozone formation is not linearly related to emissions. Ozone impacts vary depending on the location of the emissions, the location of other precursor emissions, meteorology and seasonal impacts, and because ozone is formed some time later and downwind from the actual emission. (EPA Guideline on Ozone Monitoring Site Selection (Aug. 1998) EPA-454/R-98-002, § 5.1.2; https://www.epa.gov/ttnamti1/archive/cpreldoc.html; then search "Guideline on Ozone Monitoring Site Selection" click on pdf) (last viewed Apr. 1, 2015).)

SCAQMD has set its CEQA "significance" threshold for NO_x and VOC at 10 tons per year (expressed as 55 lb/day). (SCAQMD, *Air Quality Analysis Handbook*, http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook; then follow "SCAQMD Air Quality Significance Thresholds" hyperlink (last visited Apr. 1, 2015).) This is because the federal Clean Air Act defines a "major" stationary source for "extreme" ozone nonattainment areas such as SCAQMD as one emitting 10 tons/year. (42 U.S.C. §§ 7511a(e), 7511a(f); CAA §§ 182(e), 182(f).) Under the Clean Air Act, such sources are subject to enhanced control requirements (42 U.S.C. §§ 7502(c)(5), 7503; CAA §§ 172(c)(5), 173), so SCAQMD decided this was an appropriate threshold for making a CEQA "significance" finding and requiring feasible mitigation. Essentially, SCAQMD takes the position that a source that emits 10 tons/year of NO_x or VOC would contribute cumulatively to ozone formation. Therefore, lead agencies that use SCAQMD's thresholds of significance may determine

that many projects have "significant" air quality impacts and must apply all feasible mitigation measures, yet will not be able to precisely correlate the project to quantifiable health impacts, unless the emissions are sufficiently high to use a regional modeling program.

In the case of particulate matter ($PM_{2.5}$)[8], another "criteria" pollutant, SCAQMD staff is aware of two possible methods of analysis. SCAQMD used regional modeling to predict expected health impacts from its proposed Rule 1315, as mentioned above. Also, the California Air Resources Board (CARB) has developed a methodology that can predict expected mortality (premature deaths) from large amounts of $PM_{2.5}$. (California Air Resources Board, *Health Impacts Analysis: PM Premature Death Relationship*, http://www.arb.ca.gov/research/health/pm-mort/pm-mort_arch.htm (last reviewed Jan. 19, 2012).) SCAQMD used the CARB methodology to predict impacts from three very large power plants (e.g., 731-1837 lbs/day). (Final Environmental Assessment for Rule 1315, *supra*, pp 4.0-12, 4.1-13, 4.1-37 (e.g., 125 premature deaths in the entire SCAQMD in 2030), 4.1-39 (0.05 to 1.77 annual premature deaths from power plants.) Again, this project involved large amounts of additional $PM_{2.5}$ in the District, up to 2.82 tons/day (5,650 lbs/day of $PM_{2.5}$, or, or 1029 tons/year. (*Id.* at table 4.1-4, p. 4.1-10.)

However, the primary author of the CARB methodology has reported that this $PM_{2.5}$ health impact methodology is not suited for small projects and may yield unreliable results due to various uncertainties.[9] (SCAQMD, *Final Subsequent Mitigated Negative Declaration for: Warren*

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[8] SCAQMD has not attained the latest annual or 24-hour national ambient air quality standards for "$PM_{2.5}$" or particulate matter less than 2.5 microns in diameter.

[9] Among these uncertainties are the representativeness of the population used in the methodology, and the specific source of PM and the corresponding health impacts. (*Id.* at p. 2-24.)

E&P, Inc. WTU Central Facility, New Equipment Project (certified July 19, 2011), http://www.aqmd.gov/home/library/documents-support-material/lead-agency-permit-projects/permit-project-documents---year-2011; then follow "Final Subsequent Mitigated Negative Declaration for Warren E&P Inc. WTU Central Facility, New Equipment Project" hyperlink, pp. 2-22, 2-23 (last visited Apr. 1, 2015).) Therefore, when SCAQMD prepared a CEQA document for the expansion of an existing oil production facility, with very small $PM_{2.5}$ increases (3.8 lb/day) and a very small affected population, staff elected not to use the CARB methodology for using estimated $PM_{2.5}$ emissions to derive a projected premature mortality number and explained why it would be inappropriate to do so. (*Id.* at pp 2-22 to 2-24.) SCAQMD staff concluded that use of this methodology for such a small source could result in unreliable findings and would not provide meaningful information. (*Id.* at pp. 2-23, 2-25.) This CEQA document was not challenged in court.

In the above case, while it may have been technically possible to plug the data into the methodology, the results would not have been reliable or meaningful. SCAQMD believes that an agency should not be required to perform analyses that do not produce reliable or meaningful results. This Court has already held that an agency may decline to use even the "normal" "existing conditions" CEQA baseline where to do so would be misleading or without informational value. (*Neighbors for Smart Rail v. Exposition Metro Line* (2013) 57 Cal.4th 439, 448, 457.) The same should be true for a decision that a particular study or analysis would not provide reliable or meaningful results.[10]

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[10] Whether a particular study would result in "informational value" is a part of deciding whether it is "feasible." CEQA defines "feasible" as "capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social, and

Therefore, it is not possible to set a hard-and-fast rule on whether a correlation of air quality impacts with specific quantifiable health impacts is required in all cases. Instead, the result turns on whether such an analysis is reasonably feasible in the particular case.[11] Moreover, what is reasonably feasible may change over time as scientists and regulatory agencies continually seek to improve their ability to predict health impacts. For example, CARB staff has been directed by its Governing Board to reassess and improve the methodology for estimating premature deaths. (California Air Resources Board, *Health Impacts Analysis: PM Mortality Relationship*, http://www.arb.ca.gov/research/health/pm-mort/pm-mort.htm (last reviewed Dec. 29, 2010).) This factor also counsels against setting any hard-and-fast rule in this case.

III. THE QUESTION OF WHETHER AN EIR CONTAINS SUFFICIENT ANALYSIS TO MEET CEQA'S REQUIREMENTS IS A MIXED QUESTION OF FACT AND LAW GOVERNED BY TWO DIFFERENT STANDARDS OF REVIEW.

A. Standard of Review for Feasibility Determination and Sufficiency as an Informative Document

A second issue in this case is whether courts should review an EIR's informational sufficiency under the "substantial evidence" test as argued by Friant Ranch or the "independent judgment" test as argued by Sierra Club.

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technological factors." (Pub. Resources Code § 21061.1.) A study cannot be "accomplished in a *successful* manner" if it produces unreliable or misleading results.

[11] In this case, the lead agency did not have an opportunity to determine whether the requested analysis was feasible because the comment was non-specific. Therefore, SCAQMD suggests that this Court, after resolving the legal issues in the case, direct the Court of Appeal to remand the case to the lead agency for a determination of whether the requested analysis is feasible. Because Fresno County, the lead agency, did not seek review in this Court, it seems likely that the County has concluded that at least some level of correlation of air pollution with health impacts is feasible.

As this Court has explained, "a reviewing court must adjust its scrutiny to the nature of the alleged defect, depending on whether the claim is predominantly one of improper procedure or a dispute over the facts." (*Vineyard Area Citizens v. City of Rancho Cordova, supra,* 40 Cal.4th at 435.) For questions regarding compliance with proper procedure or other legal questions, courts review an agency's action de novo under the "independent judgment" test. (*Id.*) On the other hand, courts review factual disputes only for substantial evidence, thereby "accord[ing] greater deference to the agency's substantive factual conclusions." (*Id.*)

Here, Friant Ranch and Sierra Club agree that the case involves the question of whether an EIR includes sufficient information regarding a project's impacts. However, they disagree on the proper standard of review for answering this question: Sierra Club contends that courts use the independent judgment standard to determine whether an EIR's analysis is sufficient to meet CEQA's informational purposes,[12] while Friant Ranch contends that the substantial evidence standard applies to this question.

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[12] Sierra Club acknowledges that courts use the substantial evidence standard when reviewing predicate factual issues, but argues that courts ultimately decide as a matter of law what CEQA requires. (Answering Brief, pp. 14, 23.)

SCAQMD submits that the issue is more nuanced than either party contends. We submit that, whether a CEQA document includes sufficient analysis to satisfy CEQA's informational mandates is a mixed question of fact and law,[13] containing two levels of inquiry that should be judged by different standards.[14]

The state CEQA Guidelines set forth standards for the adequacy of environmental analysis. Guidelines Section 15151 states:

> An EIR should be prepared with a sufficient degree of analysis to provide decision makers with information which enables them to make a decision which intelligently takes account of environmental consequences. An evaluation of the environmental effects of a proposed project need not be exhaustive, but the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible. Disagreement among experts does not make an EIR inadequate, but the EIR should summarize the main points of disagreement among the experts. The courts have looked not for perfection, but for adequacy, completeness, and a good-faith effort at full disclosure.

In this case, the basic question is whether the underlying analysis of air quality impacts made the EIR "sufficient" as an informative document. However, whether the EIR's analysis was sufficient is judged in light of what was reasonably feasible. This represents a mixed question of fact and law that is governed by two different standards of review.

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[13] Friant Ranch actually states that the claim that an EIR lacks sufficient relevant information is, "most properly thought of as raising mixed questions of fact and law." (Opening Brief, p. 27.) However, the remainder of its argument claims that the court should apply the substantial evidence standard of review to all aspects of the issue.

[14] Mixed questions of fact and law issues may implicate predominantly factual subordinate questions that are reviewed under the substantial evidence test even though the ultimate question may be reviewed by the independent judgment test. *Crocker National Bank v. City and County of San Francisco* (1989) 49 Cal.3d 881, 888-889.

SCAQMD submits that an EIR's sufficiency as an informational document is ultimately a legal question that courts should determine using their independent judgment. This Court's language in *Laurel Heights I* supports this position. As this Court explained: "The court does not pass upon the correctness of the EIR's environmental conclusions, but only upon its *sufficiency as an informative document*." (*Laurel Heights I, supra*, 47 Cal.3d at 392-393) (emphasis added.) As described above, the Court in *Vineyard Area Citizens v. City of Rancho Cordova, supra,* 40 Cal.4th at 431, also used its independent judgment to determine what level of analysis CEQA requires for water supply impacts. The Court did not defer to the lead agency's opinion regarding the law's requirements; rather, it determined for itself what level of analysis was necessary to meet "[t]he law's informational demands." (*Id.* at p. 432.) Further, existing case law also holds that where an agency fails to comply with CEQA's information disclosure requirements, the agency has "failed to proceed in the manner required by law." (*Save Our Peninsula Comm. v. Monterey County Bd. of Supervisors* (2001) 87 Cal.App.4th 99, 118.)

However, whether an EIR satisfies CEQA's requirements depends in part on whether it was reasonably feasible for an agency to conduct additional or more thorough analysis. EIRs must contain "a detailed statement" of a project's impacts (Pub. Res. Code § 21061), and an agency must "use its best efforts to find out and disclose all that it reasonably can." (CEQA Guidelines § 15144.) Nevertheless, "the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible." (CEQA Guidelines § 15151.)

SCAQMD submits that the question of whether additional analysis or a particular study suggested by a commenter is "feasible" is generally a question of fact. Courts have already held that whether a particular alternative is "feasible" is reviewed by the substantial evidence test.

(*Uphold Our Heritage v. Town of Woodside* (2007) 147 Cal.App.4th 587, 598-99; *Center for Biological Diversity v. County of San Bernardino* (2010) 185 Cal.App.4th 866, 883.) Thus, if a lead agency determines that a particular study or analysis is infeasible, that decision should generally be judged by the substantial evidence standard. However, SCAQMD urges this Court to hold that lead agencies must explain the basis of any determination that a particular analysis is infeasible in the EIR itself. An EIR must discuss information, including issues related to the feasibility of particular analyses "in sufficient detail to enable meaningful participation and criticism by the public. '[W]hatever is required to be considered in an EIR must be in that formal report; what any official might have known from other writings or oral presentations cannot supply what is lacking in the report.'" (*Laurel Heights I*, *supra*, 47 Cal.3d at p. 405 (quoting *Santiago County Water District v. County of Orange* (1981) 118 Cal.App.3d 818, 831) (discussing analysis of alternatives).) The evidence on which the determination is based should also be summarized in the EIR itself, with appropriate citations to reference materials if necessary. Otherwise commenting agencies such as SCAQMD would be forced to guess where the lead agency's evidence might be located, thus thwarting effective public participation.

Moreover, if a lead agency determines that a particular study or analysis would not result in reliable or useful information and for that reason is not feasible, that determination should be judged by the substantial evidence test. (See *Neighbors for Smart Rail v. Exposition Metro Line Construction Authority*, *supra*, 57 Cal.4th 439, 448, 457:

whether "existing conditions" baseline would be misleading or uninformative judged by substantial evidence standard.[15])

If the lead agency's determination that a particular analysis or study is not feasible is supported by substantial evidence, then the agency has not violated CEQA's information disclosure provisions, since it would be infeasible to provide additional information. This Court's decisions provide precedent for such a result. For example, this Court determined that the issue of whether the EIR should have included a more detailed discussion of future herbicide use was resolved because substantial evidence supported the agency's finding that "the precise parameters of future herbicide use could not be predicted." *Ebbetts Pass Forest Watch v. California Dept. of Forestry & Fire Protection* (2008) 43 Cal.4th 936, 955.

Of course, SCAQMD expects that courts will continue to hold lead agencies to their obligations to consult with, and not to ignore or misrepresent, the views of sister agencies having special expertise in the area of air quality. (*Berkeley Keep Jets Over the Bay v. Board of Port Commissioners* (2007) 91 Cal.App.4th 1344, 1364 n.11.) In some cases, information provided by such expert agencies may establish that the purported evidence relied on by the lead agency is not in fact "substantial". (*Id.* at pp. 1369-1371.)

In sum, courts retain ultimate responsibility to determine what CEQA requires. However, the law does not require exhaustive analysis, but only what is reasonably feasible. Agencies deserve deference for their factual determinations regarding what type of analysis is reasonably feasible. On the other hand, if a commenter requests more information, and the lead agency declines to provide it but does *not* determine that the

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[15] The substantial evidence standard recognizes that the courts "have neither the resources nor the scientific expertise" to weigh conflicting evidence on technical issues. (*Laurel Heights I, supra,* 47 Cal.3d 376, 393.)

requested study or analysis would be infeasible, misleading or uninformative, the question becomes whether the omission of that analysis renders the EIR inadequate to satisfy CEQA's informational purposes. (*Id.* at pp. 1370-71.) Again, this is predominantly a question of law and should be judged by the de novo or independent judgment standard of review. Of course, this Court has recognized that a "project opponent or reviewing court can always imagine some additional study or analysis that might provide helpful information. It is not for them to design the EIR. That further study...might be helpful does not make it necessary." (*Laurel Heights I, supra,* 47 Cal.3d 376, 415 – see also CEQA Guidelines § 15204(a) [CEQA "does not require a lead agency to conduct every test. . . recommended or demanded by commenters."].) Courts, then, must adjudicate whether an omission of particular information renders an EIR inadequate to serve CEQA's informational purposes.[16]

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[16] We recognize that there is case law stating that the substantial evidence standard applies to "challenges to the scope of an EIR's analysis of a topic" as well as the methodology used and the accuracy of the data relied on in the document "because these types of challenges involve factual questions." (*Bakersfield Citizens for Local Control v. City of Bakersfield*, *supra*, 124 Cal.App.4th 1184, 1198, and cases relied on therein.) However, we interpret this language to refer to situations where the question of the scope of the analysis really is factual—that is, where it involves whether further analysis is feasible, as discussed above. This interpretation is supported by the fact that the *Bakersfield* court expressly rejected an argument that a claimed "omission of information from the EIR should be treated as inquiries whether there is substantial evidence supporting the decision approving the project. " *Bakersfield, supra,* 124 Cal.App.4th at p. 1208. And the *Bakersfield* court ultimately decided that the lead agency must analyze the connection between the identified air pollution impacts and resulting health impacts, even though the EIR already included some discussion of air-pollution-related respiratory illnesses. *Bakersfield, supra,* 124 Cal.App.4th at p. 1220. Therefore, the court must not have interpreted this question as one of the "scope of the analysis" to be judged by the substantial evidence standard.

B. Friant Ranch's Rationale for Rejecting the Independent Judgment Standard of Review is Unsupported by Case Law.

In its brief, Friant Ranch makes a distinction between cases where a required CEQA topic is not discussed at all (to be reviewed by independent judgment as a failure to proceed in the manner required by law) and cases where a topic is discussed, but the commenter claims the information provided is insufficient (to be judged by the substantial evidence test). (Opening Brief, pp. 13-17.) The Court of Appeal recognized these two types of cases, but concluded that both raised questions of law. (*Sierra Club v. County of Fresno* (2014) 226 Cal.App.4th 704 (superseded by grant of review) 172 Cal.Rptr.3d 271, 290.) We believe the distinction drawn by Friant Ranch is unduly narrow, and inconsistent with cases which have concluded that CEQA documents are insufficient. In many instances, CEQA's requirements are stated broadly, and the courts must interpret the law to determine what level of analysis satisfies CEQA's mandate for providing meaningful information, even though the EIR discusses the issue to some extent.

For example, the CEQA Guidelines require discussion of the existing environmental baseline. In *County of Amador v. El Dorado County Water Agency* (1999) 76 Cal.App.4th 931, 954-955, the lead agency had discussed the environmental baseline by describing historic month-end water levels in the affected lakes. However, the court held that this was not an adequate baseline discussion because it failed to discuss the timing and amounts of past actual water releases, to allow comparison with the proposed project. The court evidently applied the independent judgment test to its decision, even though the agency discussed the issue to some extent.

Likewise, in *Vineyard Area Citizens* (2007) 40 Cal.4th 412, this Court addressed the question of whether an EIR's analysis of water supply impacts complied with CEQA. The parties agreed that the EIR was required to analyze the effects of providing water to the development project, "and that in order to do so the EIR had, in some manner, to identify the planned sources of that water." (*Vineyard Area Citizens, supra,* at p. 428.) However, the parties disagreed as to the level of detail required for this analysis and "what level of uncertainty regarding the availability of water supplies can be tolerated in an EIR . . . ." (*Id.*) In other words, the EIR had analyzed water supply impacts for the project, but the petitioner claimed that the analysis was insufficient.

This Court noted that neither CEQA's statutory language or the CEQA Guidelines specifically addressed the question of how precisely an EIR must discuss water supply impacts. (*Id.*) However, it explained that CEQA "states that '[w]hile foreseeing the unforeseeable is not possible, an agency must use its best efforts to find out and disclose all that it reasonably can.'" (*Id.*, [Guidelines § 15144].) The Court used this general principle, along with prior precedent, to elucidate four "principles for analytical adequacy" that are necessary in order to satisfy "CEQA's informational purposes." (*Vineyard Area Citizens, supra,* at p. 430.) The Court did not defer to the agency's determination that the EIR's analysis of water supply impacts was sufficient. Rather, this Court used its independent judgment to determine for itself the level of analysis required to satisfy CEQA's fundamental purposes. (*Vineyard Area Citizens, supra*, at p. 441: an EIR does not serve its purposes where it neglects to explain likely sources of water and "... leaves long term water supply considerations to later stages of the project.")

Similarly, the CEQA Guidelines require an analysis of noise impacts of the project. (Appendix G, "Environmental Checklist Form."[17]) In *Gray v. County of Madera* (2008) 167 Cal.App.4th 1099, 1123, the court held that the lead agency's noise impact analysis was inadequate even though it had addressed the issue and concluded that the increase would not be noticeable. If the court had been using the substantial evidence standard, it likely would have upheld this discussion.

Therefore, we do not agree that the issue can be resolved on the basis suggested by Friant Ranch, which would apply the substantial evidence standard to *every* challenge to an analysis that addresses a required CEQA topic. This interpretation would subvert the courts' proper role in interpreting CEQA and determining what the law requires.

Nor do we agree that the Court of Appeal in this case violated CEQA's prohibition on courts interpreting its provisions "in a manner which imposes procedural or substantive requirements beyond those explicitly stated in this division or in the state guidelines." (Pub. Resources Code § 21083.1.) CEQA requires an EIR to describe *all* significant impacts of the project on the environment. (Pub. Resources Code § 21100(b)(2); *Vineyard Area Citizens, supra,* at p. 428.) Human beings are part of the environment, so CEQA requires EIRs to discuss a project's significant impacts on human health. However, except in certain particular circumstances,[18] neither the CEQA statute nor Guidelines specify the precise level of analysis that agencies must undertake to satisfy the law's requirements. (see, e.g., CEQA Guidelines § 15126.2(a) [EIRs must describe "health and safety problems caused by {a project's} physical changes"].) Accordingly, courts must interpret CEQA as a whole to

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[17] Association of Environmental Professionals, 2015 CEQA Statute and Guidelines (2015) p.287.

[18] E.g., Pub. Resources Code § 21151.8(C)(3)(B)(iii) (requiring specific type of health risk analysis for siting schools).

determine whether a particular EIR is sufficient as an informational document. A court determining whether an EIR's discussion of human health impacts is legally sufficient does not constitute imposing a new substantive requirement.[19] Under Friant Ranch's theory, the above-referenced cases holding a CEQA analysis inadequate would have violated the law. This is not a reasonable interpretation.

IV. COURTS MUST SCRUPULOUSLY ENFORCE THE REQUIREMENTS THAT LEAD AGENCIES CONSULT WITH AND OBTAIN COMMENTS FROM AIR DISTRICTS

Courts must "scrupulously enforce" CEQA's legislatively mandated requirements. (*Vineyard Area Citizens, supra*, 40 Cal.4th 412, 435.) Case law has firmly established that lead agencies must consult with the relevant air pollution control district before conducting an initial study, and must provide the districts with notice of the intention to adopt a negative declaration (or EIR). (*Schenck v. County of Sonoma* (2011) 198 Cal.App.4th 949, 958.) As *Schenck* held, neither publishing the notice nor providing it to the State Clearinghouse was a sufficient substitute for sending notice directly to the air district. (*Id.*) Rather, courts "must be satisfied that [administrative] agencies have fully complied with the procedural requirements of CEQA, since only in this way can the important public purposes of CEQA be protected from subversion." *Schenck,* 198 Cal.App.4th at p. 959 (citations omitted).[20]

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[19] We submit that Public Resources Code Section 21083.1 was intended to prevent courts from, for example, holding that an agency must analyze economic impacts of a project where there are no resulting environmental impacts (see CEQA Guidelines § 15131) , or imposing new procedural requirements, such as imposing additional public notice requirements not set forth in CEQA or the Guidelines.

[20] Lead agencies must consult air districts, as public agencies with jurisdiction by law over resources affected by the project, *before* releasing an EIR. (Pub. Resources Code §§ 21104(a); 21153.) Moreover, air

Lead agencies should be aware, therefore, that failure to properly seek and consider input from the relevant air district constitutes legal error which may jeopardize their project approvals. For example, the court in *Fall River Wild Trout Foundation v. County of Shasta,* (1999) 70 Cal.App.4th 482, 492 held that the failure to give notice to a trustee agency (Department of Fish and Game) was prejudicial error requiring reversal. The court explained that the lack of notice prevented the Department from providing any response to the CEQA document. (*Id.* at p. 492.) It therefore prevented relevant information from being presented to the lead agency, which was prejudicial error because it precluded informed decision-making. (*Id.*)[21]

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districts should be considered "state agencies" for purposes of the requirement to consult with "trustee agencies" as set forth in Public Resources Code § 20180.3(a). This Court has long ago held that the districts are not mere "local agencies" whose regulations are superseded by those of a state agency regarding matters of statewide concern, but rather have concurrent jurisdiction over such issues. (*Orange County Air Pollution Control District v. Public Util. Com.* (1971) 4 Cal.3d 945, 951, 954.) Since air pollution is a matter of statewide concern, *Id* at 952, air districts should be entitled to trustee agency status in order to ensure that this vital concern is adequately protected during the CEQA process.

[21] In *Schenck,* the court concluded that failure to give notice to the air district was not prejudicial, but this was partly because the trial court had already corrected the error before the case arrived at the Court of Appeal. The trial court issued a writ of mandate requiring the lead agency to give notice to the air district. The air district responded by concurring with the lead agency that air impacts were not significant. (*Schenck,* 198 Cal.App.4th 949, 960.) We disagree with the *Schenck* court that the failure to give notice to the air district would not have been prejudicial (even in the absence of the trial court writ) merely because the lead agency purported to follow the air district's published CEQA guidelines for significance. (*Id.*, 198 Cal.App.4th at p. 960.) In the first place, absent notice to the air district, it is uncertain whether the lead agency properly followed those guidelines. Moreover, it is not realistic to expect that an air district's published guidelines would necessarily fully address all possible air-quality related issues that can arise with a CEQA project, or that those

Similarly, lead agencies must obtain additional information requested by expert agencies, including those with jurisdiction by law, if that information is necessary to determine a project's impacts. (*Sierra Club v. State Bd. Of Forestry* (1994) 7 Cal.4th 1215, 1236-37.) Approving a project without obtaining that information constitutes a failure to proceed in the manner prescribed by CEQA. (*Id.* at p. 1236.)

Moreover, a lead agency can save significant time and money by consulting with the air district early in the process. For example, the lead agency can learn what the air district recommends as an appropriate analysis on the facts of its case, including what kinds of health impacts analysis may be available, and what models are appropriate for use. This saves the lead agency from the need to do its analysis all over again and possibly needing to recirculate the document after errors are corrected, if new significant impacts are identified. (CEQA Guidelines § 15088.5(a).) At the same time, the air district's expert input can help the lead agency properly determine whether another commenter's request for additional analysis or studies is reasonable or feasible. Finally, the air district can provide input on what mitigation measures would be feasible and effective.

Therefore, we suggest that this Court provide guidance to lead agencies reminding them of the importance of consulting with the relevant air districts regarding these issues. Otherwise, their feasibility decisions may be vulnerable to air district evidence that establishes that there is no substantial evidence to support the lead agency decision not to provide specific analysis. (*See Berkeley Keep Jets Over the Bay, supra,* 91 Cal.App.4th 1344, 1369-1371.)

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guidelines would necessarily be continually modified to reflect new developments. Therefore we believe that, had the trial court not already ordered the lead agency to obtain the air district's views, the failure to give notice would have been prejudicial, as in *Fall River, supra,* 70 Cal.App.4th 482, 492.

CONCLUSION

The SCAQMD respectfully requests this Court *not* to establish a hard-and-fast rule concerning whether CEQA requires a lead agency to correlate identified air quality impacts of a project with resulting health outcomes. Moreover, the question of whether an EIR is "sufficient as an informational document" is a mixed question of fact and law containing two levels of inquiry. Whether a particular proposed analysis is feasible is predominantly a question of fact to be judged by the substantial evidence standard of review. Where the requested analysis is feasible, but the lead agency relies on legal or policy reasons not to provide it, the question of whether the EIR is nevertheless sufficient as an informational document is predominantly a question of law to be judged by the independent judgment standard of review.

Respectfully submitted,

DATED: April 3, 2015

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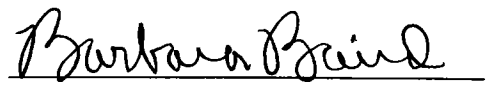
CERTIFICATE OF WORD COUNT

Pursuant to Rule 8.520(c)(1) of the California Rules of Court, I hereby certify that this brief contains 8,476 words, including footnotes, but excluding the Application, Table of Contents, Table of Authorities, Certificate of Service, this Certificate of Word Count, and signature blocks. I have relied on the word count of the Microsoft Word Vista program used to prepare this Certificate.

DATED: April 3, 2015 Respectfully submitted,



Barbara Baird

PROOF OF SERVICE

I am employed in the County of Los Angeles, California. I am over the age of 18 years and not a party to the within action. My business address is 21865 Copley Drive, Diamond Bar, California 91765.

On April 3, 2015 I served true copies of the following document(s) described as **APPLICATION OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR LEAVE TO FILE BRIEF OF *AMICUS CURIAE* IN SUPPORT OF NEITHER PARTY AND *[PROPOSED]* BRIEF OF *AMICUS CURIAE*** by placing a true copy of the foregoing document(s) in a sealed envelope addressed as set forth on the attached service list as follows:

BY MAIL: I enclosed the document(s) in a sealed envelope or package addressed to the persons at the addresses listed in the Service List and placed the envelope for collection and mailing following our ordinary business practices. I am readily familiar with this District's practice for collection and processing of correspondence for mailing. Under that practice, the correspondence would be deposited with the United States Postal Service, with postage thereon fully prepaid at Diamond Bar, California, in the ordinary course of business. I am aware that on motion of the party served, service is presumed invalid if postal cancellation date or postage meter date is more than one day after date of deposit for mailing in affidavit.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on April 3, 2015 at Diamond Bar, California.

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A.2 - Greenhouse Gas Emissions Report

draft

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Agua Mansa Commerce Center

GREENHOUSE GAS ANALYSIS

CITY OF COLTON

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SEPTEMBER 16, 2021

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LIST OF ABBREVIATED TERMS

%	Percent
°C	Degrees Celsius
°F	Degrees Fahrenheit
(1)	Reference
GPU EIR	*City of Colton General Plan Update Environmental Impact Report SCH No. 2012031037*
2017 Scoping Plan	Final 2017 Scoping Plan Update
AB	Assembly Bill
AB 32	Global Warming Solutions Act of 2006
AB 1493	Pavley Fuel Efficiency Standards
AB 1881	California Water Conservation Landscaping Act of 2006
Annex I	Industrialized Nations
AQIA	*Agua Mansa Commerce Center Air Quality Impact Analysis*
BAU	Business As Usual
C_2F_6	Hexafluoroethane
C_2H_6	Ethane
CAA	Federal Clean Air Act
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CAL FIRE	California Department of Forestry and Fire Protection
CALGAPS	California LBNL GHG Analysis of Policies Spreadsheet
CALGreen	California Green Building Standards Code
CalSTA	California State Transportation Agency
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resource Board
CBSC	California Building Standards Commission
CEC	California Energy Commission
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CEQA Guidelines	*2019 CEQA Statute and Guidelines*
CDFA	California Department of Food and Agriculture
CF_4	Tetrafluoromethane
CFC	Chlorofluorocarbons
CFC-113	Trichlorotrifluoroethane

CH_4	Methane
City	City of Colton
CNRA	California Natural Resources Agency
CNRA 2009	2009 California Climate Adaptation Strategy
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent
Convention	United Nation's Framework Convention on Climate Change
COP	Conference of the Parties
CPUC	California Public Utilities Commission
CTC	California Transportation Commission
DOF	Department of Finance
DWR	Department of Water Resources
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
EV	Electric Vehicle
FED	Functional Equivalent Document
GCC	Global Climate Change
Gg	Gigagram
GHGA	Greenhouse Gas Analysis
GO-Biz	Governor's Office of Business and Economic Development
GWP	Global Warming Potential
H_2O	Water
HFC	Hydrofluorocarbons
HDT	Heavy-Duty Trucks
HFC-23	Fluoroform
HFC-134a	1,1,1,2-tetrafluoroethane
HFC-152a	1,1-difluoroethane
HHDT	Heavy-Heavy-Duty Trucks
hp	Horsepower
I-10	Interstate 10 Freeway
IBANK	California Infrastructure and Economic Development Bank
IPCC	Intergovernmental Panel on Climate Change
IRP	Integrated Resource Planning
ISO	Independent System Operator
ITE	Institute of Transportation Engineers
kWh	Kilowatt Hours
lbs	Pounds
LBNL	Lawrence Berkeley National Laboratory

LCA	Life-Cycle Analysis
LCD	Liquid Crystal Display
LCFS	Low Carbon Fuel Standard or Executive Order S-01-07
LDA	Light-Duty Auto
LDT1/LDT2	Light-Duty Trucks
LEV III	Low-Emission Vehicle
LHDT1/LHDT2	Light-Heavy-Duty Trucks
LULUCF	Land-Use, Land-Use Change and Forestry
MCY	Motorcycles
MD	Medium Duty
MDT	Medium-Duty Trucks
MDV	Medium-Duty Vehicles
MHDT	Medium-Heavy-Duty Tucks
MMR	Mandatory Reporting Rule
$MMTCO_2e$	Million Metric Ton of Carbon Dioxide Equivalent
mpg	Miles Per Gallon
MPOs	Metropolitan Planning Organizations
$MMTCO_2e/yr$	Million Metric Ton of Carbon Dioxide Equivalent Per Year
MT/yr	Metric Tons Per Year
$MTCO_2e$	Metric Ton of Carbon Dioxide Equivalent
$MTCO_2e/yr$	Metric Ton of Carbon Dioxide Equivalent Per Year
MW	Megawatts
MWh	Megawatts Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N_2O	Nitrous Oxide
NDC	Nationally Determined Contributions
NF_3	Nitrogen Trifluoride
NHTSA	National Highway Traffic Safety Administration
NIOSH	National Institute for Occupational Safety and Health
NO_X	Nitrogen Oxides
Non-Annex I	Developing Nations
OAL	Office of Administrative Law
OPR	Office of Planning and Research
PFC	Perfluorocarbons
ppb	Parts Per Billion
ppm	Parts Per Million
ppt	Parts Per Trillion

Project	Agua Mansa Commerce Center
RPS	Renewable Portfolio Standards
RTP	Regional Transportation Plan
SAFE	Safer Affordable Fuel-Efficient Vehicles Rule
SB	Senate Bill
SB 32	California Global Warming Solutions Act of 2006
SB 375	Regional GHG Emissions Reduction Targets/Sustainable Communities Strategies
SB 1078	Renewable Portfolio Standards
SB 1368	Statewide Retail Provider Emissions Performance Standards
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
Scoping Plan	California Air Resources Board Climate Change Scoping Plan
SCS	Sustainable Communities Strategy
sf	Square Feet
SF_6	Sulfur Hexaflouride
SGC	Strategic Growth Council
SHGC	Solar Heat Gain Coefficient
SLPS	Short-Lived Climate Pollutant Strategy
SP	Service Population
SWCRB	State Water Resources Control Board
TA	*Agua Mansa Commerce Center Traffic Analysis*
TDM	Transportation Demand Measures
Title 20	Appliance Energy Efficiency Standards
Title 24	California Building Code
U.N.	United Nations
U.S.	United States
UNFCCC	United Nations' Framework Convention on Climate Change
URBEMIS	Urban Emissions
UTR	Utility Tractors
VFP	Vehicle Fueling Positions
VMT	Vehicle Miles Traveled
WCI	Western Climate Initiative
WRCOG	Western Riverside Council of Governments
WRI	World Resources Institute

ZE/NZE	Zero and Near-Zero Emissions
ZEV	Zero-Emissions Vehicles

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EXECUTIVE SUMMARY

The General Plan Update EIR (*GPU EIR*) discussed greenhouse gas emissions impacts and determined that impacts would be significant and unavoidable in this regard. Additionally, the General Plan EIR contains several policies, consistent with guidance from regional and State agencies, which seek to reduce this impact.

The *GPU EIR* included General Plan policies, also identified as feasible mitigation for the identified GHG impacts, as detailed more fully below. However, even with implementation of these mitigation measures, the *GPU EIR* determined that impacts would remain significant and unavoidable. As described below, the proposed project is consistent with the findings of the Prior EIR. As shown on Table ES-1, the proposed project is consistent with the impacts identified in the Prior EIR.

TABLE ES-1: SUMMARY OF SIGNIFICANCE FINDINGS

Environmental Issue Area	Prior EIR Determination	Potentially Significant Effect?	Effects Peculiar to Project or Site?	New Significant Effect?	New Significant Off-site Cumulative Impact?	New Information, More Severe Adverse Impact?
1. Would the Project generate GHG emissions either directly or indirectly, that may have a significant	**Significant and Unavoidable**	**NO**	**NO**	**NO**	**NO**	**NO**
2. Would the Project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs?	**Significant and Unavoidable**	**NO**	**NO**	**NO**	**NO**	**NO**

ES.2 PROJECT REQUIREMENTS

The Project would be required to comply with regulations imposed by the State of California and the South Coast Air Quality Management District (SCAQMD) aimed at the reduction of air pollutant emissions. Those that are directly and indirectly applicable to the Project and that would assist in the reduction of GHG emissions include:

- Global Warming Solutions Act of 2006 (Assembly Bill (AB) 32) (1).

- Regional GHG Emissions Reduction Targets/Sustainable Communities Strategies (Senate Bill (SB) 375) (2).
- Pavley Fuel Efficiency Standards (AB 1493). Establishes fuel efficiency ratings for new vehicles (3).
- California Building Code (Title 24 California Code of Regulations (CCR)). Establishes energy efficiency requirements for new construction (4).
- Appliance Energy Efficiency Standards (Title 20 CCR). Establishes energy efficiency requirements for appliances (5).
- Low Carbon Fuel Standard (LCFS). Requires carbon content of fuel sold in California to be 10 percent (%) less by 2020 (6).
- California Water Conservation in Landscaping Act of 2006 (AB 1881). Requires local agencies to adopt the Department of Water Resources updated Water Efficient Landscape Ordinance or equivalent by January 1, 2010 to ensure efficient landscapes in new development and reduced water waste in existing landscapes (7).
- Statewide Retail Provider Emissions Performance Standards (SB 1368). Requires energy generators to achieve performance standards for GHG emissions (8).
- Renewable Portfolio Standards (SB 1078 – also referred to as RPS). Requires electric corporations to increase the amount of energy obtained from eligible renewable energy resources to 20% by 2010 and 33% by 2020 (9).
- California Global Warming Solutions Act of 2006 (SB 32). Requires the state to reduce statewide GHG emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15 (10).

Promulgated regulations that will affect the Project's emissions are accounted for in the Project's GHG calculations provided in this report. In particular, AB 1493, LCFS, and RPS, and therefore are accounted for in the Project's emission calculations.

ES.2 REGULATORY REQUIREMENTS

RR GHG-1

Prior to issuance of building permits, the Project Applicant to complete the City's GHG Emission Reduction Screening Tables (11), which requires the Project Applicant to commit to 75 points of GHG emissions reduction measures that are listed in the Screening Tables. According to the City's GHG Emissions Reduction Plan, any project that adopts at least 75 points of GHG reduction measures listed in the Screening Tables, would be consistent with the City's GHG Plan. Therefore, since the Project will incorporate at least 75 points from the screening tables, the Project's impact on GHG emissions is less than significant.

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1 INTRODUCTION

This report presents the results of the GHGA prepared by Urban Crossroads, Inc., for the proposed Agua Mansa Commerce Center (Project). The purpose of this GHGA is to evaluate Project-related construction and operational emissions and determine the level of GHG impacts as a result of constructing and operating the Project.

1.1 SITE LOCATION

The proposed Project is located south of Agua Mansa Road and west of Rancho Avenue at 1500 West Agua Mansa Road in the City of Colton. The Interstate 10 (I-10) freeway is located approximately 1.00 mile north of the Project site boundary.

The Project is located adjacent to vacant land to the north and south, existing industrial uses with a residential home to the west and east of the Project site. As per the City of Colton General Plan, the Project site is designated for Heavy Industrial uses. Heavy Industrial uses may include heavy manufacturing, distribution, assembly, resource mining, storage, and similar activities not normally compatible near residential development due to environmental nuisances such as noise and air pollution. Within established areas, Heavy Industrial uses should be buffered from residential neighborhoods by Light Industrial or Business Park development wherever possible (12).

1.2 PROJECT DESCRIPTION

Exhibit 1-B illustrates the preliminary Project site plan. The Project is proposed to consist of 913,743 square feet (sf) of High-Cube Automated Freezer/Cold Storage Warehouse and High-Cube Fulfillment Center Warehouse use. Building 1 is proposed for 454,543 sf of High-Cube Cold Storage Warehouse use and Building 2 is proposed for 114,000 sf of High-Cube Automated Freezer/Cold Storage Warehouse use (25% of total building square footage) and 342,000 sf of High-Cube Fulfillment Center Warehouse use (75% of total building square footage). The Project is anticipated to be constructed in a single phase by the year 2022.

This analysis includes a conservative assumption of on-site Project-related emission sources for potential future tenants, including architectural coatings, consumer products, landscape maintenance equipment, emissions associated with natural gas and electricity, and mobile source emissions. This analysis is intended to describe GHG impacts associated with the expected operational activities at the Project site. This report assumes the Project will operate 24-hours daily for seven days per week.

EXHIBIT 1-A: LOCATION MAP

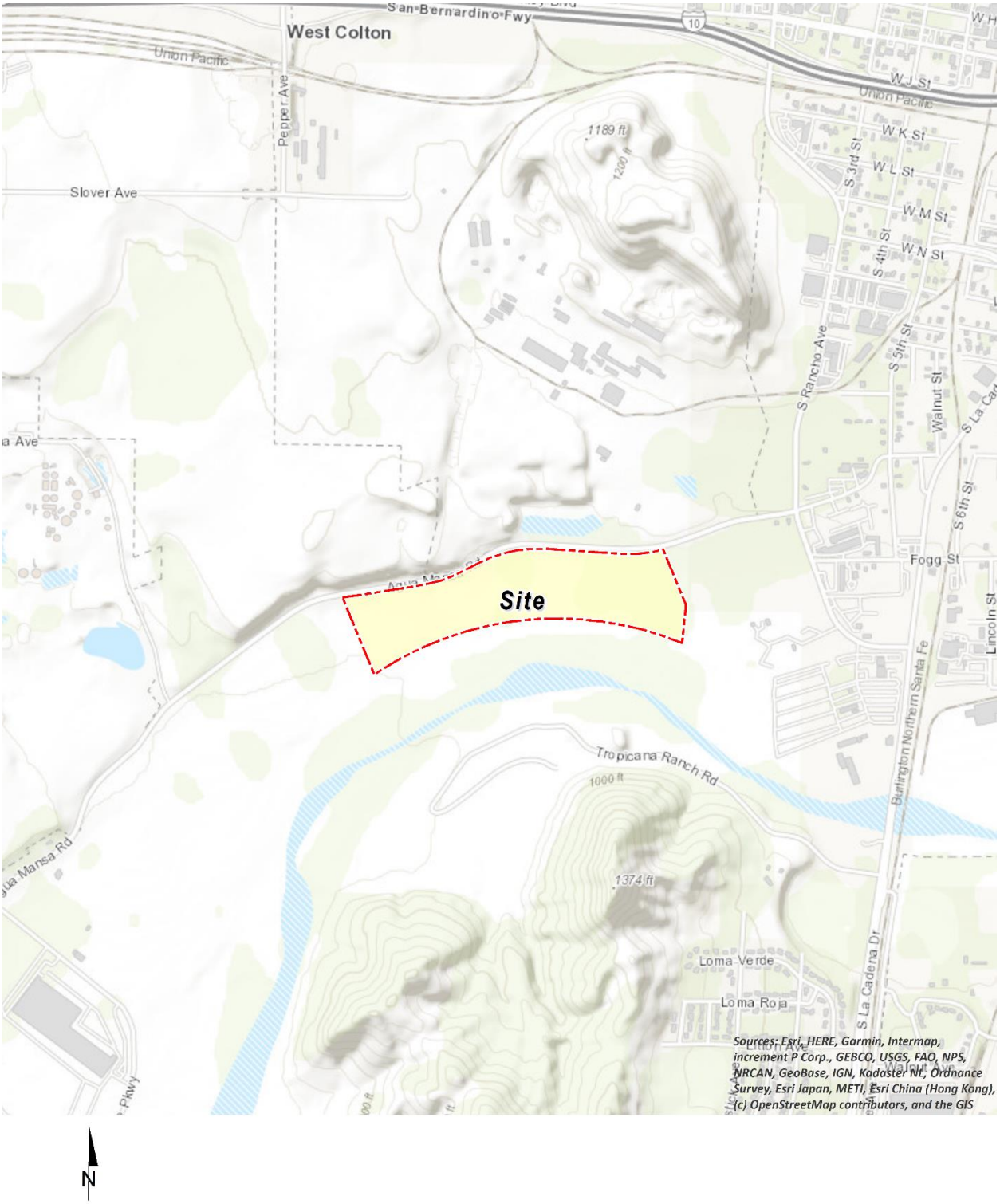

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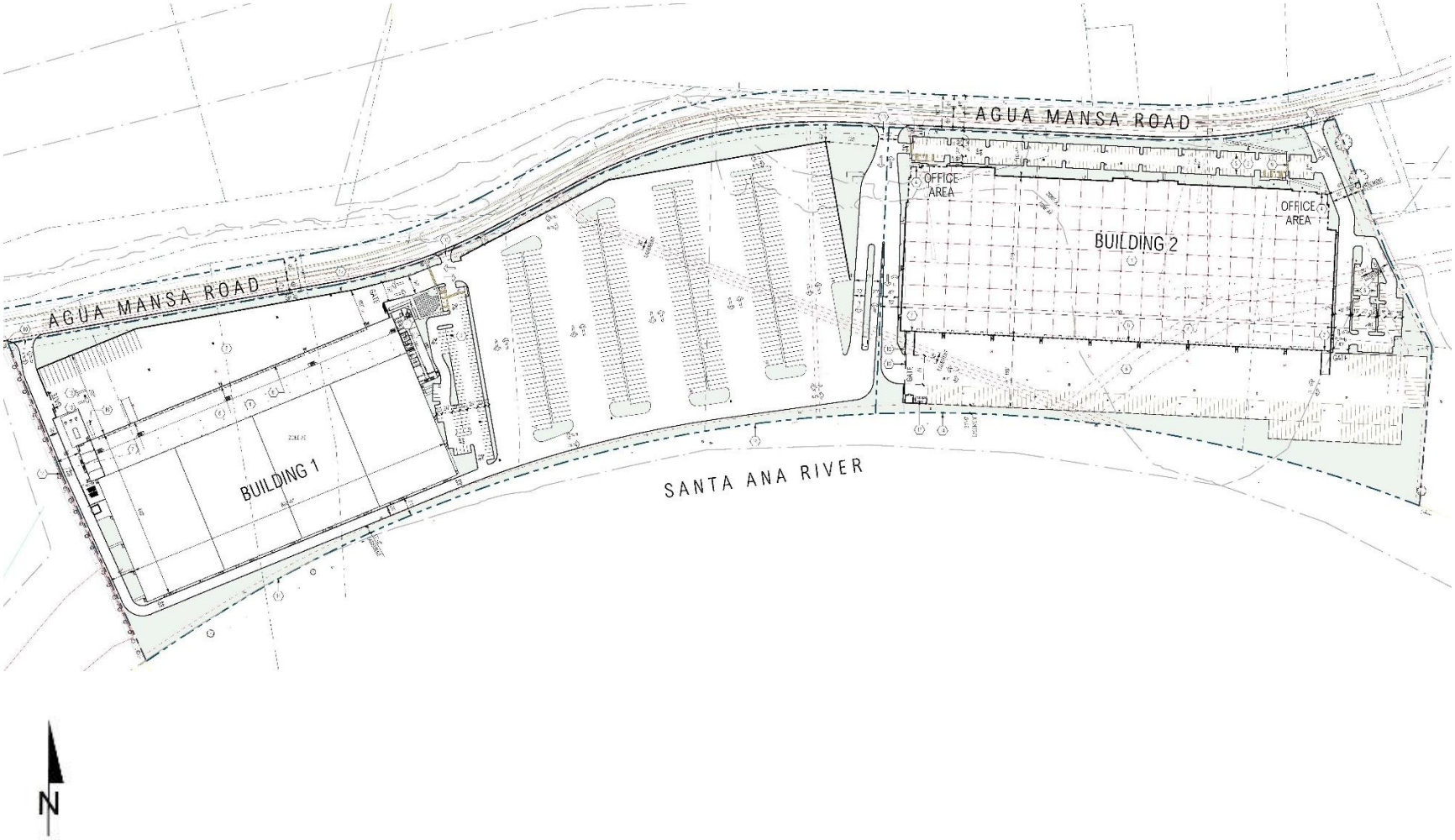
EXHIBIT 1-B: SITE PLAN



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2 CLIMATE CHANGE SETTING

2.1 INTRODUCTION TO GLOBAL CLIMATE CHANGE

GCC is defined as the change in average meteorological conditions on the earth with respect to temperature, precipitation, and storms. The majority of scientists believe that the climate shift taking place since the Industrial Revolution is occurring at a quicker rate and magnitude than in the past. Scientific evidence suggests that GCC is the result of increased concentrations of GHGs in the earth's atmosphere, including carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and fluorinated gases. The majority of scientists believe that this increased rate of climate change is the result of GHGs resulting from human activity and industrialization over the past 200 years.

An individual project like the proposed Project evaluated in this GHGA cannot generate enough GHG emissions to affect a discernible change in global climate. However, the proposed Project may participate in the potential for GCC by its incremental contribution of GHGs combined with the cumulative increase of all other sources of GHGs, which when taken together constitute potential influences on GCC. Because these changes may have serious environmental consequences, Section 3.0 will evaluate the potential for the proposed Project to have a significant effect upon the environment as a result of its potential contribution to the greenhouse effect.

2.2 GLOBAL CLIMATE CHANGE DEFINED

GCC refers to the change in average meteorological conditions on the earth with respect to temperature, wind patterns, precipitation and storms. Global temperatures are regulated by naturally occurring atmospheric gases such as water vapor, CO_2, N_2O, CH_4, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6). These particular gases are important due to their residence time (duration they stay) in the atmosphere, which ranges from 10 years to more than 100 years. These gases allow solar radiation into the earth's atmosphere, but prevent radioactive heat from escaping, thus warming the earth's atmosphere. GCC can occur naturally as it has in the past with the previous ice ages.

Gases that trap heat in the atmosphere are often referred to as GHGs. GHGs are released into the atmosphere by both natural and anthropogenic activity. Without the natural GHG effect, the earth's average temperature would be approximately 61 degrees Fahrenheit (°F) cooler than it is currently. The cumulative accumulation of these gases in the earth's atmosphere is considered to be the cause for the observed increase in the earth's temperature.

2.3 GHGS

2.3.1 GHGS AND HEALTH EFFECTS

GHGs trap heat in the atmosphere, creating a GHG effect that results in global warming and climate change. Many gases demonstrate these properties and are discussed in Table 2-1. For the purposes of this analysis, emissions of CO_2, CH_4, and N_2O were evaluated (see Tables 3-3 and 3-6 later in this report) because these gases are the primary contributors to GCC from

development projects. Although there are other substances such as fluorinated gases that also contribute to GCC, these fluorinated gases were not evaluated as their sources are not well-defined and do not contain accepted emissions factors or methodology to accurately calculate these gases.

TABLE 2-1: GHGS

GHGs	Description	Sources	Health Effects
Water	Water is the most abundant, important, and variable GHG in the atmosphere. Water vapor is not considered a pollutant; in the atmosphere it maintains a climate necessary for life. Changes in its concentration are primarily considered to be a result of climate feedbacks related to the warming of the atmosphere rather than a direct result of industrialization. A climate feedback is an indirect, or secondary, change, either positive or negative, that occurs within the climate system in response to a forcing mechanism. The feedback loop in which water is involved is critically important to projecting future climate change. As the temperature of the atmosphere rises, more water is evaporated from ground storage (rivers, oceans, reservoirs, soil). Because the air is warmer, the relative humidity can be higher (in essence, the air is able to 'hold' more water when it is warmer), leading to more water vapor in the atmosphere. As a GHG, the higher concentration of water vapor is then able to absorb more thermal indirect energy radiated from the Earth, thus further warming the atmosphere. The warmer atmosphere can then hold more water vapor and so on and so on. This is referred to as a "positive feedback loop." The extent to which this positive	The main source of water vapor is evaporation from the oceans (approximately 85%). Other sources include evaporation from other water bodies, sublimation (change from solid to gas) from sea ice and snow, and transpiration from plant leaves.	There are no known direct health effects related to water vapor at this time. It should be noted however that when some pollutants react with water vapor, the reaction forms a transport mechanism for some of these pollutants to enter the human body through water vapor.

GHGs	Description	Sources	Health Effects
	feedback loop will continue is unknown as there are also dynamics that hold the positive feedback loop in check. As an example, when water vapor increases in the atmosphere, more of it will eventually condense into clouds, which are more able to reflect incoming solar radiation (thus allowing less energy to reach the earth's surface and heat it up) (13).		
CO_2	CO_2 is an odorless and colorless GHG. Since the industrial revolution began in the mid-1700s, the sort of human activity that increases GHG emissions has increased dramatically in scale and distribution. Data from the past 50 years suggests a corollary increase in levels and concentrations. As an example, prior to the industrial revolution, CO_2 concentrations were fairly stable at 280 parts per million (ppm). Today, they are around 370 ppm, an increase of more than 30%. Left unchecked, the concentration of CO_2 in the atmosphere is projected to increase to a minimum of 540 ppm by 2100 as a direct result of anthropogenic sources (14).	CO_2 is emitted from natural and manmade sources. Natural sources include: the decomposition of dead organic matter; respiration of bacteria, plants, animals and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources include: the burning of coal, oil, natural gas, and wood. CO_2 is naturally removed from the air by photosynthesis, dissolution into ocean water, transfer to soils and ice caps, and chemical weathering of carbonate rocks (15).	Outdoor levels of CO_2 are not high enough to result in negative health effects. According to the National Institute for Occupational Safety and Health (NIOSH) high concentrations of CO_2 can result in health effects such as: headaches, dizziness, restlessness, difficulty breathing, sweating, increased heart rate, increased cardiac output, increased blood pressure, coma, asphyxia, and/or convulsions. It should be noted that current concentrations of CO_2 in the earth's atmosphere are estimated to be approximately 370 ppm, the actual reference exposure level (level at which adverse health effects typically occur) is at exposure levels of 5,000 ppm averaged over 10 hours in a 40-hour workweek and short-term reference exposure levels of 30,000 ppm averaged over a 15 minute period (16).

GHGs	Description	Sources	Health Effects
CH_4	CH_4 is an extremely effective absorber of radiation, although its atmospheric concentration is less than CO_2 and its lifetime in the atmosphere is brief (10-12 years), compared to other GHGs.	CH_4 has both natural and anthropogenic sources. It is released as part of the biological processes in low oxygen environments, such as in swamplands or in rice production (at the roots of the plants). Over the last 50 years, human activities such as growing rice, raising cattle, using natural gas, and mining coal have added to the atmospheric concentration of CH_4. Other anthropocentric sources include fossil-fuel combustion and biomass burning (17).	CH_4 is extremely reactive with oxidizers, halogens, and other halogen-containing compounds. Exposure to high levels of CH_4 can cause asphyxiation, loss of consciousness, headache and dizziness, nausea and vomiting, weakness, loss of coordination, and an increased breathing rate.
N_2O	N_2O, also known as laughing gas, is a colorless GHG. Concentrations of N_2O also began to rise at the beginning of the industrial revolution. In 1998, the global concentration was 314 parts per billion (ppb).	N_2O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is used as an aerosol spray propellant, i.e., in whipped cream bottles. It is also	N_2O can cause dizziness, euphoria, and sometimes slight hallucinations. In small doses, it is considered harmless. However, in some cases, heavy and extended use can cause Olney's Lesions (brain damage) (18).

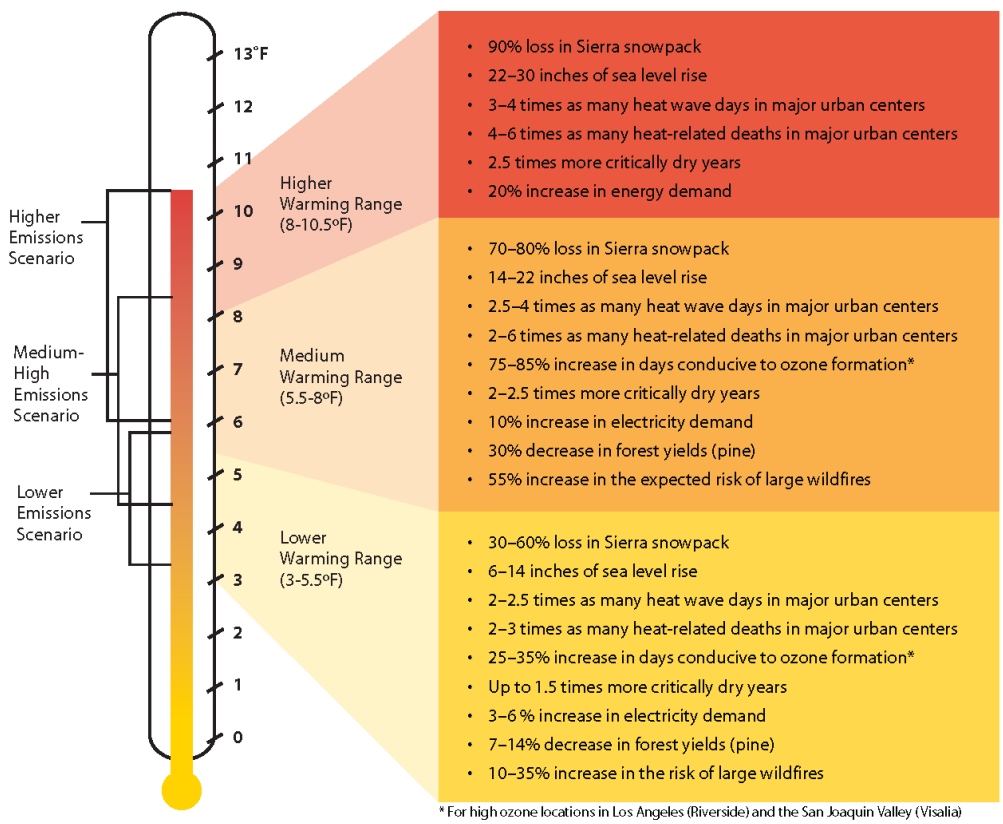
GHGs	Description	Sources	Health Effects
		used in potato chip bags to keep chips fresh. It is used in rocket engines and in race cars. N_2O can be transported into the stratosphere, be deposited on the earth's surface, and be converted to other compounds by chemical reaction (18).	
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in CH_4 or ethane (C_2H_6) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble and chemically unreactive in the troposphere (the level of air at the earth's surface).	CFCs have no natural source but were first synthesized in 1928. They were used for refrigerants, aerosol propellants and cleaning solvents. Due to the discovery that they are able to destroy stratospheric ozone, a global effort to halt their production was undertaken and was extremely successful, so much so that levels of the major CFCs are now remaining steady or declining. However, their long atmospheric lifetimes mean that some of the CFCs will remain in the atmosphere for over 100 years (19).	In confined indoor locations, working with trichlorotrifluoroethane (CFC-113) or other CFCs is thought to result in death by cardiac arrhythmia (heart frequency too high or too low) or asphyxiation.

GHGs	Description	Sources	Health Effects
HFCs	HFCs are synthetic, man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential (GWP). The HFCs with the largest measured atmospheric abundances are (in order), Fluoroform (HFC-23), 1,1,1,2-tetrafluoroethane (HFC-134a), and 1,1-difluoroethane (HFC-152a). Prior to 1990, the only significant emissions were of HFC-23. HCF-134a emissions are increasing due to its use as a refrigerant.	HFCs are manmade for applications such as automobile air conditioners and refrigerants.	No health effects are known to result from exposure to HFCs.
PFCs	PFCs have stable molecular structures and do not break down through chemical processes in the lower atmosphere. High-energy ultraviolet rays, which occur about 60 kilometers above earth's surface, are able to destroy the compounds. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF_4) and hexafluoroethane (C_2F_6). The EPA estimates that concentrations of CF_4 in the atmosphere are over 70 parts per trillion (ppt).	The two main sources of PFCs are primary aluminum production and semiconductor manufacture.	No health effects are known to result from exposure to PFCs.
SF_6	SF_6 is an inorganic, odorless, colorless, nontoxic, nonflammable gas. It also has the highest GWP of any gas evaluated (23,900) (20). The EPA indicates that concentrations in the 1990s were about 4 ppt.	SF_6 is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.	In high concentrations in confined areas, the gas presents the hazard of suffocation because it displaces the oxygen needed for breathing.

GHGs	Description	Sources	Health Effects
Nitrogen Trifluoride (NF_3)	NF_3 is a colorless gas with a distinctly moldy odor. The World Resources Institute (WRI) indicates that NF_3 has a 100-year GWP of 17,200 (21).	NF_3 is used in industrial processes and is produced in the manufacturing of semiconductors, Liquid Crystal Display (LCD) panels, types of solar panels, and chemical lasers.	Long-term or repeated exposure may affect the liver and kidneys and may cause fluorosis (22).

The potential health effects related directly to the emissions of CO_2, CH_4, and N_2O as they relate to development projects such as the proposed Project are still being debated in the scientific community. Their cumulative effects to GCC have the potential to cause adverse effects to human health. Increases in Earth's ambient temperatures would result in more intense heat waves, causing more heat-related deaths. Scientists also purport that higher ambient temperatures would increase disease survival rates and result in more widespread disease. Climate change will likely cause shifts in weather patterns, potentially resulting in devastating droughts and food shortages in some areas (23). Exhibit 2-A presents the potential impacts of global warming (24).

EXHIBIT 2-A: SUMMARY OF PROJECTED GLOBAL WARMING IMPACT, 2070-2099 (AS COMPARED WITH 1961-1990)



Source: Barbara H. Allen-Diaz. "Climate change affects us all." *University of California, Agriculture and Natural Resources*, 2009.

2.4 GLOBAL WARMING POTENTIAL

GHGs have varying GWP values. GWP of a GHG indicates the amount of warming a gas causes over a given period of time and represents the potential of a gas to trap heat in the atmosphere. CO_2 is utilized as the reference gas for GWP, and thus has a GWP of 1. CO_2 equivalent (CO_2e) is defined as the number of metric tons of CO_2 emissions with the same GWP as one metric ton of another GHG.

The atmospheric lifetime and GWP of selected GHGs are summarized at Table 2-2. As shown in the table below, GWP for the 2nd Assessment Report, the Intergovernmental Panel on Climate Change (IPCC)'s scientific and socio-economic assessment on climate change, range from 1 for CO_2 to 23,900 for SF_6 and GWP for the IPCC's 5th Assessment Report range from 1 for CO_2 to 23,500 for SF_6 (25).

TABLE 2-2: GWP AND ATMOSPHERIC LIFETIME OF SELECT GHGS

Gas	Atmospheric Lifetime (years)	GWP (100-year time horizon)	
		2nd Assessment Report	5th Assessment Report
CO_2	See*	1	1
CH_4	12 .4	21	28
N_2O	121	310	265
HFC-23	222	11,700	12,400
HFC-134a	13.4	1,300	1,300
HFC-152a	1.5	140	138
SF_6	3,200	23,900	23,500

*As per Appendix 8.A. of IPCC's 5th Assessment Report, no single lifetime can be given.
Source: Table 2.14 of the IPCC Fourth Assessment Report, 2007

2.5 GHG EMISSIONS INVENTORIES

2.5.1 GLOBAL

Worldwide anthropogenic GHG emissions are tracked by the IPCC for industrialized nations (referred to as Annex I) and developing nations (referred to as Non-Annex I). Human GHG emissions data for Annex I nations are available through 2018. Based on the latest available data, the sum of these emissions totaled approximately 28,768,439 gigagram (Gg) CO_2e[1] (26) (27) as summarized on Table 2-3.

[1] The global emissions are the sum of Annex I and non-Annex I countries, without counting Land-Use, Land-Use Change and Forestry (LULUCF). For countries without 2018 data, the United Nations' Framework Convention on Climate Change (UNFCCC) data for the most recent year were used U.N. Framework Convention on Climate Change, "Annex I Parties – GHG total without LULUCF," The most recent GHG emissions for China and India are from 2014 and 2010, respectively.

2.5.2 UNITED STATES

As noted in Table 2-3, the United States, as a single country, was the number two producer of GHG emissions in 2018.

TABLE 2-3: TOP GHG PRODUCING COUNTRIES AND THE EUROPEAN UNION [2]

Emitting Countries	GHG Emissions (Gg CO_2e)
China	12,300,200
United States	6,676,650
European Union (28-member countries)	4,232,274
Russian Federation	2,220,123
India	2,100,850
Japan	1,238,343
Total	**28,768,439**

2.5.3 STATE OF CALIFORNIA

California has significantly slowed the rate of growth of GHG emissions due to the implementation of energy efficiency programs as well as adoption of strict emission controls but is still a substantial contributor to the United States (U.S.) emissions inventory total (28). The California Air Resource Board (CARB) compiles GHG inventories for the State of California. Based upon the 2019 GHG inventory data (i.e., the latest year for which data are available) for the 2000-2018 GHG emissions period, California emitted an average 425.3 million metric tons of CO_2e per year ($MMTCO_2e/yr$) or 425,320 Gg CO_2e (6.37% of the total United States GHG emissions) (29).

2.6 EFFECTS OF CLIMATE CHANGE IN CALIFORNIA

2.6.1 PUBLIC HEALTH

Higher temperatures may increase the frequency, duration, and intensity of conditions conducive to air pollution formation. For example, days with weather conducive to ozone formation could increase from 25 to 35% under the lower warming range to 75 to 85% under the medium warming range. In addition, if global background ozone levels increase as predicted in some scenarios, it may become impossible to meet local air quality standards. Air quality could be further compromised by increases in wildfires, which emit fine particulate matter that can travel long distances, depending on wind conditions. The Climate Scenarios report indicates that large wildfires could become up to 55% more frequent if GHG emissions are not significantly reduced.

In addition, under the higher warming range scenario, there could be up to 100 more days per year with temperatures above 90°F in Los Angeles and 95°F in Sacramento by 2100. This is a large increase over historical patterns and approximately twice the increase projected if temperatures remain within or below the lower warming range. Rising temperatures could increase the risk of

[2] Used http://unfccc.int data for Annex I countries. Consulted the CAIT Climate Data Explorer in https://www.climatewatchdata.org site to reference Non-Annex I countries of China and India.

death from dehydration, heat stroke/exhaustion, heart attack, stroke, and respiratory distress caused by extreme heat.

2.6.2 WATER RESOURCES

A vast network of man-made reservoirs and aqueducts captures and transports water throughout the state from northern California rivers and the Colorado River. The current distribution system relies on the Sierra Nevada snowpack to supply water during the dry spring and summer months. Rising temperatures, potentially compounded by decreases in precipitation, could severely reduce spring snowpack, increasing the risk of summer water shortages.

If temperatures continue to increase, more precipitation could fall as rain instead of snow, and the snow that does fall could melt earlier, reducing the Sierra Nevada spring snowpack by as much as 70 to 90%. Under the lower warming range scenario, snowpack losses could be only half as large as those possible if temperatures were to rise to the higher warming range. How much snowpack could be lost depends in part on future precipitation patterns, the projections for which remain uncertain. However, even under the wetter climate projections, the loss of snowpack could pose challenges to water managers and hamper hydropower generation. Winter tourism could be adversely affected, under the lower warming range, the ski season at lower elevations could be reduced by as much as a month. If temperatures reach the higher warming range and precipitation declines, there might be many years with insufficient snow for skiing and snowboarding.

The State's water supplies are also at risk from rising sea levels. An influx of saltwater could degrade California's estuaries, wetlands, and groundwater aquifers. Saltwater intrusion caused by rising sea levels is a major threat to the quality and reliability of water within the southern edge of the Sacramento/San Joaquin River Delta – a major fresh water supply.

2.6.3 AGRICULTURE

Increased temperatures could cause widespread changes to the agriculture industry reducing the quantity and quality of agricultural products statewide. First, California farmers could possibly lose as much as 25% of the water supply needed. Although higher CO_2 levels can stimulate plant production and increase plant water-use efficiency, California's farmers could face greater water demand for crops and a less reliable water supply as temperatures rise. Crop growth and development could change, as could the intensity and frequency of pest and disease outbreaks. Rising temperatures could aggravate ozone pollution, which makes plants more susceptible to disease and pests and interferes with plant growth.

Plant growth tends to be slow at low temperatures, increasing with rising temperatures up to a threshold. However, faster growth can result in less-than-optimal development for many crops, so rising temperatures could worsen the quantity and quality of yield for a number of California's agricultural products. Products likely to be most affected include wine grapes, fruits and nuts.

In addition, continued GCC could shift the ranges of existing invasive plants and weeds and alter competition patterns with native plants. Range expansion could occur in many species while range contractions may be less likely in rapidly evolving species with significant populations

already established. Should range contractions occur, new or different weed species could fill the emerging gaps. Continued GCC could alter the abundance and types of many pests, lengthen pests' breeding season, and increase pathogen growth rates.

2.6.4 Forests and Landscapes

GCC has the potential to intensify the current threat to forests and landscapes by increasing the risk of wildfire and altering the distribution and character of natural vegetation. If temperatures rise into the medium warming range, the risk of large wildfires in California could increase by as much as 55%, which is almost twice the increase expected if temperatures stay in the lower warming range. However, since wildfire risk is determined by a combination of factors, including precipitation, winds, temperature, and landscape and vegetation conditions, future risks will not be uniform throughout the state. In contrast, wildfires in northern California could increase by up to 90% due to decreased precipitation.

Moreover, continued GCC has the potential to alter natural ecosystems and biological diversity within the state. For example, alpine and subalpine ecosystems could decline by as much as 60 to 80% by the end of the century as a result of increasing temperatures. The productivity of the state's forests has the potential to decrease as a result of GCC.

2.6.5 Rising Sea Levels

Rising sea levels, more intense coastal storms, and warmer water temperatures could increasingly threaten the state's coastal regions. Under the higher warming range scenario, sea level is anticipated to rise 22 to 35 inches by 2100. Elevations of this magnitude would inundate low-lying coastal areas with saltwater, accelerate coastal erosion, threaten vital levees and inland water systems, and disrupt wetlands and natural habitats. Under the lower warming range scenario, sea level could rise 12-14 inches.

2.7 Regulatory Setting

2.7.1 International

Climate change is a global issue involving GHG emissions from all around the world; therefore, international organizations and countries such as the ones discussed below have made an effort to reduce GHGs.

IPCC

In 1988, the United Nations (U.N.) and the World Meteorological Organization established the IPCC to assess the scientific, technical and socioeconomic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

United Nation's Framework Convention on Climate Change (Convention)

On March 21, 1994, the U.S. joined a number of countries around the world in signing the Convention. Under the Convention, governments gather and share information on GHG

emissions, national policies, and best practices; launch national strategies for addressing GHG emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

INTERNATIONAL CLIMATE CHANGE TREATIES

The Kyoto Protocol is an international agreement linked to the Convention. The major feature of the Kyoto Protocol is that it sets binding targets for 37 industrialized countries and the European community for reducing GHG emissions at an average of 5% against 1990 levels over the five-year period 2008–2012. The Convention (as discussed above) encouraged industrialized countries to stabilize emissions; however, the Protocol commits them to do so. Developed countries have contributed more emissions over the last 150 years; therefore, the Protocol places a heavier burden on developed nations under the principle of "common but differentiated responsibilities."

In 2001, President George W. Bush indicated that he would not submit the treaty to the U.S. Senate for ratification, which effectively ended American involvement in the Kyoto Protocol. In December 2009, international leaders met in Copenhagen to address the future of international climate change commitments post-Kyoto. No binding agreement was reached in Copenhagen; however, the Committee identified the long-term goal of limiting the maximum global average temperature increase to no more than 2 degrees Celsius (°C) above pre-industrial levels, subject to a review in 2015. The UN Climate Change Committee held additional meetings in Durban, South Africa in November 2011; Doha, Qatar in November 2012; and Warsaw, Poland in November 2013. The meetings are gradually gaining consensus among participants on individual climate change issues.

On September 23, 2014 more than 100 Heads of State and Government and leaders from the private sector and civil society met at the Climate Summit in New York hosted by the U.N. At the Summit, heads of government, business and civil society announced actions in areas that would have the greatest impact on reducing emissions, including climate finance, energy, transport, industry, agriculture, cities, forests, and building resilience.

Parties to the U.N. Framework Convention on Climate Change (UNFCCC) reached a landmark agreement on December 12, 2015 in Paris, charting a fundamentally new course in the two-decade-old global climate effort. Culminating a four-year negotiating round, the new treaty ends the strict differentiation between developed and developing countries that characterized earlier efforts, replacing it with a common framework that commits all countries to put forward their best efforts and to strengthen them in the years ahead. This includes, for the first time, requirements that all parties report regularly on their emissions and implementation efforts and undergo international review.

The agreement and a companion decision by parties were the key outcomes of the conference, known as the 21st session of the UNFCCC Conference of the Parties (COP) 21. Together, the Paris Agreement and the accompanying COP decision:

- Reaffirm the goal of limiting global temperature increase well below 2°C, while urging efforts to limit the increase to 1.5 degrees;
- Establish binding commitments by all parties to make "nationally determined contributions" (NDCs), and to pursue domestic measures aimed at achieving them;
- Commit all countries to report regularly on their emissions and "progress made in implementing and achieving" their NDCs, and to undergo international review;
- Commit all countries to submit new NDCs every five years, with the clear expectation that they will "represent a progression" beyond previous ones;
- Reaffirm the binding obligations of developed countries under the UNFCCC to support the efforts of developing countries, while for the first time encouraging voluntary contributions by developing countries too;
- Extend the current goal of mobilizing $100 billion a year in support by 2020 through 2025, with a new, higher goal to be set for the period after 2025;
- Extend a mechanism to address "loss and damage" resulting from climate change, which explicitly will not "involve or provide a basis for any liability or compensation;"
- Require parties engaging in international emissions trading to avoid "double counting;" and
- Call for a new mechanism, similar to the Clean Development Mechanism under the Kyoto Protocol, enabling emission reductions in one country to be counted toward another country's NDC (C2ES 2015a) (30).

On November 4, 2019, the Trump administration formally notified the U.N. that the U.S. would withdraw from the Paris Agreement. It should be noted that withdrawal will be effective one year after notification in 2020.

2.7.2 NATIONAL

Prior to the last decade, there have been no concrete federal regulations of GHGs or major planning for climate change adaptation. The following are actions regarding the federal government, GHGs, and fuel efficiency.

GHG ENDANGERMENT

In *Massachusetts v. Environmental Protection Agency* (EPA) 549 U.S. 497 (2007), decided on April 2, 2007, the U.S. Supreme Court (Supreme Court) found that four GHGs, including CO_2, are air pollutants subject to regulation under Section 202(a)(1) of the Federal Clean Air Act (CAA). The Court held that the EPA Administrator must determine whether emissions of GHGs from new motor vehicles cause or contribute to air pollution, which may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. On December 7, 2009, the EPA Administrator signed two distinct findings regarding GHGs under section 202(a) of the CAA:

- Endangerment Finding: The Administrator finds that the current and projected concentrations of the six key well-mixed GHGs— CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6—in the atmosphere threaten the public health and welfare of current and future generations.

- Cause or Contribute Finding: The Administrator finds that the combined emissions of these well-mixed GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG pollution, which threatens public health and welfare.

These findings do not impose requirements on industry or other entities. However, this was a prerequisite for implementing GHG emissions standards for vehicles, as discussed in the section "Clean Vehicles" below. After a lengthy legal challenge, the Supreme Court declined to review an Appeals Court ruling that upheld the EPA Administrator's findings (31).

CLEAN VEHICLES

Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the U.S. On April 1, 2010, the EPA and the Department of Transportation's National Highway Traffic Safety Administration (NHTSA) announced a joint final rule establishing a national program that would reduce GHG emissions and improve fuel economy for new cars and trucks sold in the U.S.

The first phase of the national program applies to passenger cars, light-duty trucks, and medium-duty (MD) passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of CO_2 per mile, equivalent to 35.5 miles per gallon (mpg) if the automobile industry were to meet this CO_2 level solely through fuel economy improvements. Together, these standards would cut CO_2 emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012–2016). The EPA and the NHTSA issued final rules on a second-phase joint rulemaking establishing national standards for light-duty vehicles for model years 2017 through 2025 in August 2012. The new standards for model years 2017 through 2025 apply to passenger cars, light-duty trucks, and MD passenger vehicles. The final standards are projected to result in an average industry fleetwide level of 163 grams/mile of CO_2 in model year 2025, which is equivalent to 54.5 mpg if achieved exclusively through fuel economy improvements.

The EPA and the U.S. Department of Transportation issued final rules for the first national standards to reduce GHG emissions and improve fuel efficiency of heavy-duty trucks (HDT) and buses on September 15, 2011, effective November 14, 2011. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20% reduction in CO_2 emissions and fuel consumption by the 2018 model year. For HDT and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10% reduction for gasoline vehicles and a 15% reduction for diesel vehicles by the 2018 model year (12 and 17% respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the engine and vehicle standards would achieve up to a 10% reduction in fuel consumption and CO_2 emissions from the 2014 to 2018 model years.

On August 2,2018, the NHTSA in conjunction with the EPA, released a notice of proposed rulemaking, the *Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks* (SAFE Vehicles Rule). The SAFE Vehicles Rule was proposed to amend exiting Corporate Average Fuel Economy (CAFE) and tailpipe CO_2 standards for passenger cars and light trucks and to establish new standards covering model years 2021 through 2026. As of March 31, 2020, the NHTSA and EPA finalized the SAFE Vehicle Rule which increased stringency of CAFE and CO_2 emissions standards by 1.5% each year through model year 2026 (32).

MANDATORY REPORTING OF GHGS

The Consolidated Appropriations Act of 2008, passed in December 2007, requires the establishment of mandatory GHG reporting requirements. On September 22, 2009, the EPA issued the Final Mandatory Reporting of GHGs Rule, which became effective January 1, 2010. The rule requires reporting of GHG emissions from large sources and suppliers in the U.S. and is intended to collect accurate and timely emissions data to inform future policy decisions. Under the rule, suppliers of fossil fuels or industrial GHGs, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons per year (MT/yr) or more of GHG emissions are required to submit annual reports to the EPA.

NEW SOURCE REVIEW

The EPA issued a final rule on May 13, 2010, that establishes thresholds for GHGs that define when permits under the New Source Review Prevention of Significant Deterioration and Title V Operating Permit programs are required for new and existing industrial facilities. This final rule "tailors" the requirements of these CAA permitting programs to limit which facilities will be required to obtain Prevention of Significant Deterioration and Title V permits. In the preamble to the revisions to the Federal Code of Regulations, the EPA states:

> *"This rulemaking is necessary because without it the Prevention of Significant Deterioration and Title V requirements would apply, as of January 2, 2011, at the 100 or 250 tons per year levels provided under the CAA, greatly increasing the number of required permits, imposing undue costs on small sources, overwhelming the resources of permitting authorities, and severely impairing the functioning of the programs. EPA is relieving these resource burdens by phasing in the applicability of these programs to GHG sources, starting with the largest GHG emitters. This rule establishes two initial steps of the phase-in. The rule also commits the agency to take certain actions on future steps addressing smaller sources but excludes certain smaller sources from Prevention of Significant Deterioration and Title V permitting for GHG emissions until at least April 30, 2016."*

The EPA estimates that facilities responsible for nearly 70% of the national GHG emissions from stationary sources will be subject to permitting requirements under this rule. This includes the nation's largest GHG emitters—power plants, refineries, and cement production facilities.

STANDARDS OF PERFORMANCE FOR GHG EMISSIONS FOR NEW STATIONARY SOURCES: ELECTRIC UTILITY GENERATING UNITS

As required by a settlement agreement, the EPA proposed new performance standards for emissions of CO_2 for new, affected, fossil fuel-fired electric utility generating units on March 27, 2012. New sources greater than 25 megawatts (MW) would be required to meet an output-based standard of 1,000 pounds (lbs) of CO_2 per MW-hour (MWh), based on the performance of widely used natural gas combined cycle technology. It should be noted that on February 9, 2016 the Supreme Court issued a stay of this regulation pending litigation. Additionally, the current EPA Administrator has also signed a measure to repeal the Clean Power Plan, including the CO_2 standards. The Clean Power Plan was officially repealed on June 19, 2019, when the EPA issued the final Affordable Clean Energy rule (ACE). Under ACE, new state emission guidelines were established that provided existing coal-fired electric utility generating units with achievable standards.

CAP-AND-TRADE

Cap-and-trade refers to a policy tool where emissions are limited to a certain amount and can be traded or provides flexibility on how the emitter can comply. Successful examples in the U.S. include the Acid Rain Program and the N_2O Budget Trading Program and Clean Air Interstate Rule in the northeast. There is no federal GHG cap-and-trade program currently; however, some states have joined to create initiatives to provide a mechanism for cap-and-trade.

The Regional GHG Initiative is an effort to reduce GHGs among the states of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont. Each state caps CO_2 emissions from power plants, auctions CO_2 emission allowances, and invests the proceeds in strategic energy programs that further reduce emissions, save consumers money, create jobs, and build a clean energy economy. The Initiative began in 2008 and in 2020 has retained all participating states.

The Western Climate Initiative (WCI) partner jurisdictions have developed a comprehensive initiative to reduce regional GHG emissions to 15% below 2005 levels by 2020. The partners were originally California, British Columbia, Manitoba, Ontario, and Quebec. However, Manitoba and Ontario are not currently participating. California linked with Quebec's cap-and-trade system January 1, 2014, and joint offset auctions took place in 2015. While the WCI has yet to publish whether it has successfully reached the 2020 emissions goal initiative set in 2007, SB 32, requires that California, a major partner in the WCI, adopt the goal of reducing statewide GHG emissions to 40% below the 1990 level by 2030.

SMARTWAY PROGRAM

The SmartWay Program is a public-private initiative between the EPA, large and small trucking companies, rail carriers, logistics companies, commercial manufacturers, retailers, and other federal and state agencies. Its purpose is to improve fuel efficiency and the environmental performance (reduction of both GHG emissions and air pollution) of the goods movement supply chains. SmartWay is comprised of four components (33):

1. SmartWay Transport Partnership: A partnership in which freight carriers and shippers commit to benchmark operations, track fuel consumption, and improve performance annually.
2. SmartWay Technology Program: A testing, verification, and designation program to help freight companies identify equipment, technologies, and strategies that save fuel and lower emissions.
3. SmartWay Vehicles: A program that ranks light-duty cars and small trucks and identifies superior environmental performers with the SmartWay logo.
4. SmartWay International Interests: Guidance and resources for countries seeking to develop freight sustainability programs modeled after SmartWay.

SmartWay effectively refers to requirements geared towards reducing fuel consumption. Most large trucking fleets driving newer vehicles are compliant with SmartWay design requirements. Moreover, over time, all HDTs will have to comply with CARB GHG Regulation that is designed with the SmartWay Program in mind, to reduce GHG emissions by making them more fuel-efficient. For instance, in 2015, 53 foot or longer dry vans or refrigerated trailers equipped with a combination of SmartWay-verified low-rolling resistance tires and SmartWay-verified aerodynamic devices would obtain a total of 10% or more fuel savings over traditional trailers.

Through the SmartWay Technology Program, the EPA has evaluated the fuel saving benefits of various devices through grants, cooperative agreements, emissions and fuel economy testing, demonstration projects and technical literature review. As a result, the EPA has determined the following types of technologies provide fuel saving and/or emission reducing benefits when used properly in their designed applications, and has verified certain products:

- Idle reduction technologies – less idling of the engine when it is not needed would reduce fuel consumption.
- Aerodynamic technologies minimize drag and improve airflow over the entire tractor-trailer vehicle. Aerodynamic technologies include gap fairings that reduce turbulence between the tractor and trailer, side skirts that minimize wind under the trailer, and rear fairings that reduce turbulence and pressure drop at the rear of the trailer.
- Low rolling resistance tires can roll longer without slowing down, thereby reducing the amount of fuel used. Rolling resistance (or rolling friction or rolling drag) is the force resisting the motion when a tire rolls on a surface. The wheel will eventually slow down because of this resistance.
- Retrofit technologies include things such as diesel particulate filters, emissions upgrades (to a higher tier), etc., which would reduce emissions.
- Federal excise tax exemptions.

2.7.3 CALIFORNIA

2.7.3.1 LEGISLATIVE ACTIONS TO REDUCE GHGS

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation such as the landmark AB 32 was specifically enacted to address GHG emissions. Other legislation such as Title 24 and Title 20 energy standards were originally adopted for other purposes such as energy and water

conservation, but also provide GHG reductions. This section describes the major provisions of the legislation.

EXECUTIVE ORDER S-3-05

Former California Governor Arnold Schwarzenegger announced on June 1, 2005, through Executive Order S-3-05, the following reduction targets for GHG emissions:

- By 2010, reduce GHG emissions to 2000 levels.
- By 2020, reduce GHG emissions to 1990 levels.
- By 2050, reduce GHG emissions to 80% below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

AB 32

The California State Legislature enacted AB 32, which requires that GHGs emitted in California be reduced to 1990 levels by the year 2020. "GHGs" as defined under AB 32 include CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6. Since AB 32 was enacted, a seventh chemical, nitrogen trifluoride, has also been added to the list of GHGs. CARB is the state agency charged with monitoring and regulating sources of GHGs. Pursuant to AB 32, CARB adopted regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. AB 32 states the following:

> *"Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems."*

CARB approved the 1990 GHG emissions level of 427 $MMTCO_2e$ on December 6, 2007 (34). Therefore, emissions generated in California in 2020 are required to be equal to or less than 427 $MMTCO_2e$. Emissions in 2020 in a "business as usual" (BAU) scenario were estimated to be 596 $MMTCO_2e$, which do not account for reductions from AB 32 regulations (35). At that level, a 28.4% reduction was required to achieve the 427 $MMTCO_2e$ 1990 inventory. In October 2010, CARB prepared an updated BAU 2020 forecast to account for the recession and slower forecasted growth. The forecasted inventory without the benefits of adopted regulation is now estimated at 545 $MMTCO_2e$. Therefore, under the updated forecast, a 21.7% reduction from BAU is required to achieve 1990 levels (36) .

PROGRESS IN ACHIEVING AB 32 TARGETS AND REMAINING REDUCTIONS REQUIRED

The State has made steady progress in implementing AB 32 and achieving targets included in Executive Order S-3-05. The progress is shown in updated emission inventories prepared by CARB for 2000 through 2012 (37). The State has achieved the Executive Order S-3-05 target for

2010 of reducing GHG emissions to 2000 levels. As shown below, the 2010 emission inventory achieved this target.

- 1990: 427 $MMTCO_2e$ (AB 32 2020 target)
- 2000: 463 $MMTCO_2e$ (an average 8% reduction needed to achieve 1990 base)
- 2010: 450 $MMTCO_2e$ (an average 5% reduction needed to achieve 1990 base)

CARB has also made substantial progress in achieving its goal of achieving 1990 emissions levels by 2020. As described earlier in this section, CARB revised the 2020 BAU inventory forecast to account for new lower growth projections, which resulted in a new lower reduction from BAU to achieve the 1990 base. The previous reduction from 2020 BAU needed to achieve 1990 levels was 28.4% and the latest reduction from 2020 BAU is 21.7%.

- 2020: 545 $MMTCO_2e$ BAU (an average 21.7% reduction from BAU needed to achieve 1990 base)

SB 375 – THE SUSTAINABLE COMMUNITIES AND CLIMATE PROTECTION ACT OF 2008

Passing the Senate on August 30, 2008, Senate Bill (SB) 375 was signed by the Governor on September 30, 2008. According to SB 375, the transportation sector is the largest contributor of GHG emissions, which emits over 40% of the total GHG emissions in California. SB 375 states, "Without improved land use and transportation policy, California will not be able to achieve the goals of AB 32." SB 375 does the following: it (1) requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for reducing GHG emissions, (2) aligns planning for transportation and housing, and (3) creates specified incentives for the implementation of the strategies.

SB 375 also requires Metropolitan Planning Organizations (MPOs) to prepare a Sustainable Communities Strategy (SCS) within the Regional Transportation Plan (RTP) that guides growth while taking into account the transportation, housing, environmental, and economic needs of the region. SB 375 uses CEQA streamlining as an incentive to encourage residential projects, which help achieve AB 32 goals to reduce GHG emissions. Although SB 375 does not prevent CARB from adopting additional regulations, such actions are not anticipated in the foreseeable future.

Concerning CEQA, SB 375, as codified in Public Resources Code Section 21159.28, states that CEQA findings for certain projects are not required to reference, describe, or discuss (1) growth inducing impacts, or (2) any project-specific or cumulative impacts from cars and light-duty truck trips generated by the project on global warming or the regional transportation network, if the project:

1. Is in an area with an approved sustainable communities strategy or an alternative planning strategy that CARB accepts as achieving the GHG emission reduction targets.
2. Is consistent with that strategy (in designation, density, building intensity, and applicable policies).
3. Incorporates the mitigation measures required by an applicable prior environmental document.

AB 1493

California AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the

regulation was delayed by lawsuits filed by automakers and by the EPA's denial of an implementation waiver. The EPA subsequently granted the requested waiver in 2009, which was upheld by the U.S. District Court for the District of Columbia in 2011.

The second phase of the implementation for the Pavley bill is currently in effect and was incorporated into Amendments to the Low-Emission Vehicle Program (LEV III) or the Advanced Clean Cars program. The Advanced Clean Car program combines the control of smog-causing pollutants and GHG emissions into a single coordinated package of requirements for model years 2017 through 2025. The regulation will reduce GHGs from new cars by 34% from 2016 levels by 2025. The new rules will clean up gasoline and diesel-powered cars, and deliver increasing numbers of zero-emission technologies, such as full battery electric cars, newly emerging plug-in hybrid electric vehicles (EV) and hydrogen fuel cell cars. The package will also ensure adequate fueling infrastructure is available for the increasing numbers of hydrogen fuel cell vehicles planned for deployment in California.

SB 350— CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015

In October 2015, the legislature approved, and the Governor signed, SB 350, which reaffirms California's commitment to reducing its GHG emissions and addressing climate change. Key provisions include an increase in the RPS, higher energy efficiency requirements for buildings, initial strategies towards a regional electricity grid, and improved infrastructure for EV charging stations. Provisions for a 50% reduction in the use of petroleum statewide were removed from the Bill because of opposition and concern that it would prevent the Bill's passage. Specifically, SB 350 requires the following to reduce statewide GHG emissions:

- Increase the amount of electricity procured from renewable energy sources from 33% to 50% by 2030, with interim targets of 40% by 2024, and 25% by 2027.
- Double the energy efficiency in existing buildings by 2030. This target will be achieved through the California Public Utility Commission (CPUC), the California Energy Commission (CEC), and local publicly owned utilities.
- Reorganize the Independent System Operator to develop more regional electrify transmission markets and to improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.

SB 32

On September 8, 2016, Governor Jerry Brown signed the Senate Bill (SB) 32 and its companion bill, AB 197. SB 32 requires the state to reduce statewide GHG emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15. The new legislation builds upon the AB 32 goal of 1990 levels by 2020 and provides an intermediate goal to achieving S-3-05, which sets a statewide GHG reduction target of 80% below 1990 levels by 2050. AB 197 creates a legislative committee to oversee regulators to ensure that CARB not only responds to the Governor, but also the Legislature (10).

CARB SCOPING PLAN

CARB's Climate Change Scoping Plan (Scoping Plan) contains measures designed to reduce the State's emissions to 1990 levels by the year 2020 to comply with AB 32 (35). The Scoping Plan identifies recommended measures for multiple GHG emission sectors and the associated emission reductions needed to achieve the year 2020 emissions target—each sector has a different emission reduction target. Most of the measures target the transportation and electricity sectors. As stated in the Scoping Plan, the key elements of the strategy for achieving the 2020 GHG target include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33%;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation related GHG emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, including California's clean car standards, goods movement measures, and the LCFS; and
- Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

CARB approved the First Scoping Plan Update on May 22, 2014. The First Scoping Plan Update identifies the next steps for California's climate change strategy. The First Scoping Plan Update shows how California continues on its path to meet the near-term 2020 GHG limit, but also sets a path toward long-term, deep GHG emission reductions. The report establishes a broad framework for continued emission reductions beyond 2020, on the path to 80% below 1990 levels by 2050. The First Scoping Plan Update identifies progress made to meet the near-term objectives of AB 32 and defines California's climate change priorities and activities for the next several years. The First Scoping Plan Update does not set new targets for the State but describes a path that would achieve the long term 2050 goal of Executive Order S-3-05 for emissions to decline to 80% below 1990 levels by 2050 (37).

Forecasting the amount of emissions that would occur in 2020 if no actions are taken was necessary to assess the amount of reductions California must achieve to return to the 1990 emissions level by 2020 as required by AB 32. The no-action scenario is known as "business-as-usual" or BAU. CARB originally defined the BAU scenario as emissions in the absence of any GHG emission reduction measures discussed in the Scoping Plan.

As part of CEQA compliance for the Scoping Plan, CARB prepared a Supplemental Functional Equivalent Document (FED) in 2011. The FED included an updated 2020 BAU emissions inventory projection based on current economic forecasts (i.e., as influenced by the economic downturn) and emission reduction measures already in place, replacing its prior 2020 BAU emissions inventory. CARB staff derived the updated emissions estimates by projecting emissions growth,

by sector, from the state's average emissions from 2006–2008. The new BAU estimate includes emission reductions for the million-solar-roofs program, the AB 1493 motor vehicle GHG emission standards, and the LCFS. In addition, CARB factored into the 2020 BAU inventory emissions reductions associated with 33% RPS for electricity generation. The updated BAU estimate of 507 $MMTCO_2e$ by 2020 requires a reduction of 80 $MMTCO_2e$, or a 16% reduction below the estimated BAU levels to return to 1990 levels (i.e., 427 $MMTCO_2e$) by 2020.

In order to provide a BAU reduction that is consistent with the original definition in the Scoping Plan and with threshold definitions used in thresholds adopted by lead agencies for CEQA purposes and many CAPs, the updated inventory without regulations was also included in the Supplemental FED. CARB 2020 BAU projection for GHG emissions in California was originally estimated to be 596 $MMTCO_2e$. The updated CARB 2020 BAU projection in the Supplemental FED is 545 $MMTCO_2e$. Considering the updated BAU estimate of 545 $MMTCO_2e$ by 2020, CARB estimates a 21.7% reduction below the estimated statewide BAU levels is necessary to return to 1990 emission levels (i.e., 427 $MMTCO_2e$) by 2020, instead of the approximate 28.4% BAU reduction previously reported under the original Climate Change Scoping Plan (35).

2017 CLIMATE CHANGE SCOPING PLAN UPDATE

In compliance with AB 32 and the 2008 Scoping Plan, the target year 2020 has been fulfilled and will look onward to the 2017 Scoping Plan that should be in compliance by 2030.

In November 2017, CARB released the 2017 Scoping Plan Update, which identifies the State's post-2020 reduction strategy. The 2017 Scoping Plan Update reflects the 2030 target of a 40% reduction below 1990 levels, set by Executive Order B-30-15 and codified by SB 32. Key programs that the proposed Second Update builds upon include the Cap-and-Trade Regulation, the LCFS, and much cleaner cars, trucks and freight movement, utilizing cleaner, renewable energy, and strategies to reduce CH_4 emissions from agricultural and other wastes.

The 2017 Scoping Plan Update establishes a new emissions limit of 260 $MMTCO_2e$ for the year 2030, which corresponds to a 40% decrease in 1990 levels by 2030.

California's climate strategy will require contributions from all sectors of the economy, including the land base, and will include enhanced focus on zero- and near-zero-emission (ZE/NZE) vehicle technologies; continued investment in renewables, including solar roofs, wind, and other distributed generation; greater use of low carbon fuels; integrated land conservation and development strategies; coordinated efforts to reduce emissions of short-lived climate pollutants (CH_4, black carbon, and fluorinated gases); and an increased focus on integrated land use planning to support livable, transit-connected communities and conservation of agricultural and other lands. Requirements for direct GHG reductions at refineries will further support air quality co-benefits in neighborhoods, including in disadvantaged communities historically located adjacent to these large stationary sources, as well as efforts with California's local air pollution control and air quality management districts (air districts) to tighten emission limits on a broad spectrum of industrial sources. Major elements of the 2017 Scoping Plan framework include:

- Implementing and/or increasing the standards of the Mobile Source Strategy, which include increasing ZEV buses and trucks.

- LCFS, with an increased stringency (18% by 2030).
- Implementing SB 350, which expands the RPS to 50% RPS and doubles energy efficiency savings by 2030.
- California Sustainable Freight Action Plan, which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of zero-emission vehicles (ZEV) trucks.
- Implementing the proposed Short-Lived Climate Pollutant Strategy (SLPS), which focuses on reducing CH_4 and hydroflurocarbon emissions by 40% and anthropogenic black carbon emissions by 50% by year 2030.
- Continued implementation of SB 375.
- Post-2020 Cap-and-Trade Program that includes declining caps.
- 20% reduction in GHG emissions from refineries by 2030.
- Development of a Natural and Working Lands Action Plan to secure California's land base as a net carbon sink.

Note, however, that the 2017 Scoping Plan acknowledges that:

> *"[a]chieving net zero increases in GHG emissions, resulting in no contribution to GHG impacts, may not be feasible or appropriate for every project, however, and the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA."*

In addition to the statewide strategies listed above, the 2017 Scoping Plan Update also identifies local governments as essential partners in achieving the State's long-term GHG reduction goals and identifies local actions to reduce GHG emissions. As part of the recommended actions, CARB recommends that local governments achieve a community-wide goal to achieve emissions of no more than 6 metric tons of CO_2e ($MTCO_2e$) or less per capita by 2030 and 2 $MTCO_2e$ or less per capita by 2050. For CEQA projects, CARB states that lead agencies may develop evidenced-based bright-line numeric thresholds—consistent with the Scoping Plan and the State's long-term GHG goals—and projects with emissions over that amount may be required to incorporate on-site design features and mitigation measures that avoid or minimize project emissions to the degree feasible; or, a performance-based metric using a CAP or other plan to reduce GHG emissions is appropriate.

According to research conducted by the Lawrence Berkeley National Laboratory (LBNL) and supported by CARB, California, under its existing and proposed GHG reduction policies, is on track to meet the 2020 reduction targets under AB 32 and could achieve the 2030 goals under SB 32. The research utilized a new, validated model known as the California LBNL GHG Analysis of Policies Spreadsheet (CALGAPS), which simulates GHG and criteria pollutant emissions in California from 2010 to 2050 in accordance to existing and future GHG-reducing policies. The CALGAPS model showed that GHG emissions through 2020 could range from 317 to 415 $MTCO_2e$ per year ($MTCO_2e$/yr), "indicating that existing state policies will likely allow California to meet its target [of 2020 levels under AB 32]." CALGAPS also showed that by 2030, emissions could range from 211 to 428 $MTCO_2e$/yr, indicating that "even if all modeled policies are not

implemented, reductions could be sufficient to reduce emissions 40% below the 1990 level [of SB 32]." CALGAPS analyzed emissions through 2050 even though it did not generally account for policies that might be put in place after 2030. Although the research indicated that the emissions would not meet the State's 80% reduction goal by 2050, various combinations of policies could allow California's cumulative emissions to remain very low through 2050 (38) (39).

CAP-AND-TRADE PROGRAM

The Scoping Plan identifies a Cap-and-Trade Program as one of the key strategies for California to reduce GHG emissions. According to CARB, a cap-and-trade program will help put California on the path to meet its goal of reducing GHG emissions to 1990 levels by the year 2020 and ultimately achieving an 80% reduction from 1990 levels by 2050. Under cap-and-trade, an overall limit on GHG emissions from capped sectors is established, and facilities subject to the cap will be able to trade permits to emit GHGs within the overall limit.

CARB adopted a California Cap-and-Trade Program pursuant to its authority under AB 32. See Title 17 of the CCR §§ 95800 to 96023). The Cap-and-Trade Program is designed to reduce GHG emissions from major sources (deemed "covered entities") by setting a firm cap on statewide GHG emissions and employing market mechanisms to achieve AB 32's emission-reduction mandate of returning to 1990 levels of emissions by 2020. The statewide cap for GHG emissions from the capped sectors (e.g., electricity generation, petroleum refining, and cement production) commenced in 2013 and will decline over time, achieving GHG emission reductions throughout the program's duration.

Covered entities that emit more than 25,000 $MTCO_2e$/yr must comply with the Cap-and-Trade Program. Triggering of the 25,000 $MTCO_2e$/yr "inclusion threshold" is measured against a subset of emissions reported and verified under the California Regulation for the Mandatory Reporting of GHG Emissions (Mandatory Reporting Rule or "MRR").

Under the Cap-and-Trade Program, CARB issues allowances equal to the total amount of allowable emissions over a given compliance period and distributes these to regulated entities. Covered entities are allocated free allowances in whole or part (if eligible), and may buy allowances at auction, purchase allowances from others, or purchase offset credits. Each covered entity with a compliance obligation is required to surrender "compliance instruments" (30) for each $MTCO_2e$ of GHG they emit. There also are requirements to surrender compliance instruments covering 30% of the prior year's compliance obligation by November of each year. For example, in November 2014, a covered entity was required to submit compliance instruments to cover 30% of its 2013 GHG emissions.

The Cap-and-Trade Program provides a firm cap, ensuring that the 2020 statewide emission limit will not be exceeded. An inherent feature of the Cap-and-Trade program is that it does not guarantee GHG emissions reductions in any discrete location or by any particular source. Rather, GHG emissions reductions are only guaranteed on an accumulative basis. As summarized by CARB in the First Update:

> *"The Cap-and-Trade Regulation gives companies the flexibility to trade allowances with others or take steps to cost-effectively reduce emissions at their own facilities.*

> *Companies that emit more have to turn in more allowances or other compliance instruments. Companies that can cut their GHG emissions have to turn in fewer allowances. But as the cap declines, aggregate emissions must be reduced. In other words, a covered entity theoretically could increase its GHG emissions every year and still comply with the Cap-and-Trade Program if there is a reduction in GHG emissions from other covered entities. Such a focus on aggregate GHG emissions is considered appropriate because climate change is a global phenomenon, and the effects of GHG emissions are considered cumulative (CARB 2014)."*

The Cap-and-Trade Program works with other direct regulatory measures and provides an economic incentive to reduce emissions. If California's direct regulatory measures reduce GHG emissions more than expected, then the Cap-and-Trade Program will be responsible for relatively fewer emissions reductions. If California's direct regulatory measures reduce GHG emissions less than expected, then the Cap-and-Trade Program will be responsible for relatively more emissions reductions. Thus, the Cap-and-Trade Program assures that California will meet its 2020 GHG emissions reduction mandate:

> *"The Cap-and-Trade Program establishes an overall limit on GHG emissions from most of the California economy—the "capped sectors." Within the capped sectors, some of the reductions are being accomplished through direct regulations, such as improved building and appliance efficiency standards, the [Low Carbon Fuel Standard] LCFS, and the 33% [Renewables Portfolio Standard] RPS. Whatever additional reductions are needed to bring emissions within the cap is accomplished through price incentives posed by emissions allowance prices. Together, direct regulation and price incentives assure that emissions are brought down cost-effectively to the level of the overall cap. The Cap-and-Trade Regulation provides assurance that California's 2020 limit will be met because the regulation sets a firm limit on 85% of California's GHG emissions. In sum, the Cap-and-Trade Program will achieve aggregate, rather than site specific or project-level, GHG emissions reductions. Also, due to the regulatory architecture adopted by CARB in AB 32, the reductions attributed to the Cap-and-Trade Program can change over time depending on the State's emissions forecasts and the effectiveness of direct regulatory measures* (37)*."*

As of January 1, 2015, the Cap-and-Trade Program covered approximately 85% of California's GHG emissions. The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects' electricity usage are covered by the Cap-and-Trade Program.

The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and from combustion of other fossil fuels not directly covered at large sources in the Program's first compliance period. While the Cap-and-Trade Program technically covered fuel suppliers as early as 2012, they did not have a compliance obligation (i.e., they were not fully regulated) until 2015. The Cap-and-Trade Program covers the GHG emissions associated with the combustion of transportation fuels

in California, whether refined in-state or imported. The point of regulation for transportation fuels is when they are "supplied" (i.e., delivered into commerce). Accordingly, as with stationary source GHG emissions and GHG emissions attributable to electricity use, virtually all, if not all, of GHG emissions from CEQA projects associated with VMT are covered by the Cap-and-Trade Program (40). In addition, the Scoping Plan differentiates between "capped" and "uncapped" strategies. "Capped" strategies are subject to the proposed cap-and-trade program. The Scoping Plan states that the inclusion of these emissions within the Program will help ensure that the year 2020 emission targets are met despite some degree of uncertainty in the emission reduction estimates for any individual measure. Implementation of the capped strategies is calculated to achieve a sufficient amount of reductions by 2020 to achieve the emission target contained in AB 32. "Uncapped" strategies that will not be subject to the cap-and-trade emissions caps and requirements are provided as a margin of safety by accounting for additional GHG emission reductions.[3]

2.7.3.2 EXECUTIVE ORDERS RELATED TO GHG EMISSIONS

California's Executive Branch has taken several actions to reduce GHGs through the use of Executive Orders. Although not regulatory, they set the tone for the state and guide the actions of state agencies.

EXECUTIVE ORDER S-13-08

Executive Order S-13-08 states that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the Order, the 2009 California Climate Adaptation Strategy (CNRA 2009) was adopted, which is the "…first statewide, multi-sector, region-specific, and information-based climate change adaptation strategy in the United States." Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

EXECUTIVE ORDER B-30-15

On April 29, 2015, Governor Edmund G. Brown Jr. issued an executive order to establish a California GHG reduction target of 40% below 1990 levels by 2030. The Governor's executive order aligns California's GHG reduction targets with those of leading international governments ahead of the United Nations Climate Change Conference in Paris late 2015. The Order sets a new interim statewide GHG emission reduction target to reduce GHG emissions to 40% below 1990 levels by 2030 in order to ensure California meets its target of reducing GHG emissions to 80% below 1990 levels by 2050 and directs CARB to update the Climate Change Scoping Plan to

[3] On March 17, 2011, the San Francisco Superior Court issued a final decision in *Association of Irritated Residents v. California Air Resources Board* (Case No. CPF-09-509562). While the Court upheld the validity of CARB Scoping Plan for the implementation of AB 32, the Court enjoined CARB from further rulemaking under AB 32 until CARB amends its CEQA environmental review of the Scoping Plan to address the flaws identified by the Court. On May 23, 2011, CARB filed an appeal. On June 24, 2011, the Court of Appeal granted CARB's petition staying the trail court's order pending consideration of the appeal. In the interest of informed decision-making, on June 13, 2011, CARB released the expanded alternatives analysis in a draft Supplement to the AB 32 Scoping Plan Functional Equivalent Document. CARB Board approved the Scoping Plan and the CEQA document on August 24, 2011.

express the 2030 target in terms of $MMTCO_2e$. The Order also requires the state's climate adaptation plan to be updated every three years, and for the State to continue its climate change research program, among other provisions. As with Executive Order S-3-05, this Order is not legally enforceable for local governments and the private sector. Legislation that would update AB 32 to make post 2020 targets and requirements a mandate is in process in the State Legislature.

EXECUTIVE ORDER S-01-07 – LCFS

The Governor signed Executive Order S-01-07 on January 18, 2007. The order mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10% by 2020. In particular, the Executive Order established a LCFS and directed the Secretary for Environmental Protection to coordinate the actions of the CEC, CARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. This analysis supporting development of the protocols was included in the State Implementation Plan for alternative fuels (State Alternative Fuels Plan adopted by CEC on December 24, 2007) and was submitted to CARB for consideration as an "early action" item under AB 32. CARB adopted the LCFS on April 23, 2009.

The Board approved the LCFS regulation in 2009 and began implementation on January 1, 2011. CARB approved some amendments to the LCFS in December 2011, which were implemented on January 1, 2013. In September 2015, the Board approved the re-adoption of the LCFS, which became effective on January 1, 2016, to address procedural deficiencies in the way the original regulation was adopted. In 2018, the Board approved amendments to the regulation, which included strengthening and smoothing the carbon intensity benchmarks through 2030 in-line with California's 2030 GHG emission reduction target enacted through SB 32, adding new crediting opportunities to promote zero emission vehicle adoption, alternative jet fuel, carbon capture and sequestration, and advanced technologies to achieve deep decarbonization in the transportation sector.

EXECUTIVE ORDER B-55-18 AND SB 100

Executive Order B-55-18 and SB 100. SB 100 and Executive Order B-55-18 were signed by Governor Brown on September 10, 2018. Under the existing RPS, 25% of retail sales are required to be from renewable sources by December 31, 2016, 33% by December 31, 2020, 40% by December 31, 2024, 45% by December 31, 2027, and 50% by December 31, 2030. SB 100 raises California's RPS requirement to 50% renewable resources target by December 31, 2026, and to achieve a 60% target by December 31, 2030. SB 100 also requires that retail sellers and local publicly owned electric utilities procure a minimum quantity of electricity products from eligible renewable energy resources so that the total kilowatt hours of those products sold to their retail end-use customers achieve 44% of retail sales by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030. In addition to targets under AB 32 and SB 32, Executive Order B-55-18 establishes a carbon neutrality goal for the state of California by 2045; and sets a goal to maintain net negative emissions thereafter. The Executive Order directs the California Natural Resources Agency (CNRA), California Environmental Protection Agency (CalEPA), the Department

of Food and Agriculture (CDFA), and CARB to include sequestration targets in the Natural and Working Lands Climate Change Implementation Plan consistent with the carbon neutrality goal.

2.7.3.3 CALIFORNIA REGULATIONS AND BUILDING CODES

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat even with rapid population growth.

TITLE 20 CCR

CCR, Title 20: Division 2, Chapter 4, Article 4, Sections 1601-1608: Appliance Efficiency Regulations regulates the sale of appliances in California. The Appliance Efficiency Regulations include standards for both federally regulated appliances and non-federally regulated appliances. Twenty-three categories of appliances are included in the scope of these regulations. The standards within these regulations apply to appliances that are sold or offered for sale in California, except those sold wholesale in California for final retail sale outside the state and those designed and sold exclusively for use in recreational vehicles or other mobile equipment (CEC 2012).

TITLE 24 CCR

CCR Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on January 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2019 California Green Building Code Standards that became effective January 1, 2020.

Local jurisdictions are permitted to adopt more stringent requirements, as state law provides methods for local enhancements. CALGreen recognizes that many jurisdictions have developed existing construction waste and demolition ordinances and defers to them as the ruling guidance provided they establish a minimum 65% diversion requirement.

The code also provides exemptions for areas not served by construction waste and demolition recycling infrastructure. The State Building Code provides the minimum standard that buildings must meet in order to be certified for occupancy, which is generally enforced by the local building official.

Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The 2019 version of Title 24 was adopted by the California Energy Commission (CEC) and became effective on January 1, 2020.

The 2019 Title 24 standards will result in less energy use, thereby reducing GHG emissions associated with energy consumption in the South Coast Air Basin (SCAB) and across the State of California. For example, the 2019 Title 24 standards will require solar photovoltaic systems for new homes, establish requirements for newly constructed healthcare facilities, encourage demand responsive technologies for residential buildings, and update indoor and outdoor lighting requirements for nonresidential buildings.

The CEC anticipates that single-family homes built with the 2019 standards will use approximately 7% less energy compared to the residential homes built under the 2016 standards. Additionally, after implementation of solar photovoltaic systems, homes built under the 2019 standards will use about 53% less energy than homes built under the 2016 standards. Nonresidential buildings (such as the Project) will use approximately 30% less energy due to lighting upgrade requirements (41).

Because the Project will be constructed after January 1, 2019, the 2019 CALGreen standards are applicable to the Project and require, among other items (20):

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- Designated parking for clean air vehicles. In new projects or additions to alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2 (5.106.5.2).
- EV charging stations. New construction shall facilitate the future installation of EV supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106. 5.3.3 (5.106.5.3).
- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, uplight and glare ratings per Table 5.106.8 (5.106.8)
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1. 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).

- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
  - Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
  - Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor- mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
  - Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
  - Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).
- Outdoor potable water use in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is project to consume more than 1,000 gallons per day (5.303.1.1 and 5.303.1.2).
- Outdoor water use in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).
- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements (5.410.2).

MWELO

The MWELO was required by AB 1881, the Water Conservation Act. The bill required local agencies to adopt a local landscape ordinance at least as effective in conserving water as the Model Ordinance by January 1, 2010. Reductions in water use of 20% consistent with (SBX-7-7) 2020 mandate are expected upon compliance with the ordinance. Governor Brown's Drought Executive Order of April 1, 2015 (Executive Order B-29-15) directed Department of Water

Resources (DWR) to update the Ordinance through expedited regulation. The California Water Commission approved the revised Ordinance on July 15, 2015 effective December 15, 2015. New development projects that include landscape areas of 500 sf or more are subject to the Ordinance. The update requires:

- More efficient irrigation systems;
- Incentives for graywater usage;
- Improvements in on-site stormwater capture;
- Limiting the portion of landscapes that can be planted with high water use plants; and
- Reporting requirements for local agencies.

CARB REFRIGERANT MANAGEMENT PROGRAM

CARB adopted a regulation in 2009 to reduce refrigerant GHG emissions from stationary sources through refrigerant leak detection and monitoring, leak repair, system retirement and retrofitting, reporting and recordkeeping, and proper refrigerant cylinder use, sale, and disposal. The regulation is set forth in sections 95380 to 95398 of Title 17, CCR. The rules implementing the regulation establish a limit on statewide GHG emissions from stationary facilities with refrigeration systems with more than 50 pounds of a high GWP refrigerant. The refrigerant management program is designed to (1) reduce emissions of high-GWP GHG refrigerants from leaky stationary, non-residential refrigeration equipment; (2) reduce emissions from the installation and servicing of refrigeration and air-conditioning appliances using high-GWP refrigerants; and (3) verify GHG emission reductions.

TRACTOR-TRAILER GHG REGULATION

The tractors and trailers subject to this regulation must either use EPA SmartWay certified tractors and trailers or retrofit their existing fleet with SmartWay verified technologies. The regulation applies primarily to owners of 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and owners of the heavy-duty tractors that pull them on California highways. These owners are responsible for replacing or retrofitting their affected vehicles with compliant aerodynamic technologies and low rolling resistance tires. Sleeper cab tractors model year 2011 and later must be SmartWay certified. All other tractors must use SmartWay verified low rolling resistance tires. There are also requirements for trailers to have low rolling resistance tires and aerodynamic devices.

PHASE I AND 2 HEAVY-DUTY VEHICLE GHG STANDARDS

CARB has adopted a new regulation for GHG emissions from HDTs and engines sold in California. It establishes GHG emission limits on truck and engine manufacturers and harmonizes with the EPA rule for new trucks and engines nationally. Existing heavy-duty vehicle regulations in California include engine criteria emission standards, tractor-trailer GHG requirements to implement SmartWay strategies (i.e., the Heavy-Duty Tractor-Trailer GHG Regulation), and in-use fleet retrofit requirements such as the Truck and Bus Regulation. In September 2011, the EPA adopted their new rule for HDTs and engines. The EPA rule has compliance requirements for new compression and spark ignition engines, as well as trucks from Class 2b through Class 8.

Compliance requirements begin with model year 2014 with stringency levels increasing through model year 2018. The rule organizes truck compliance into three groupings, which include a) heavy-duty pickups and vans; b) vocational vehicles; and c) combination tractors. The EPA rule does not regulate trailers.

CARB staff has worked jointly with the EPA and the NHTSA on the next phase of federal GHG emission standards for medium-duty trucks (MDT) and HDT vehicles, called federal Phase 2. The federal Phase 2 standards were built on the improvements in engine and vehicle efficiency required by the Phase 1 emission standards and represent a significant opportunity to achieve further GHG reductions for 2018 and later model year HDT vehicles, including trailers. But as discussed above, the EPA and NHTSA have proposed to roll back GHG and fuel economy standards for cars and light-duty trucks, which suggests a similar rollback of Phase 2 standards for MDT and HDT vehicles may be pursued.

In February 2019, the OAL approved the Phase 2 Heavy-Duty Vehicle GHG Standards and became effective April 1, 2019. The Phase 2 GHG standards are needed to offset projected VMT growth and keep heavy-duty truck CO_2 emissions declining. The federal Phase 2 standards establish for the first time, federal emissions requirements for trailers hauled by heavy-duty tractors. The federal Phase 2 standards are more technology-forcing than the federal Phase 1 standards, requiring manufacturers to improve existing technologies or develop new technologies to meet the standards. The federal Phase 2 standards for tractors, vocational vehicles, and heavy-duty pick-up trucks and vans (PUVs) will be phased-in from 2021-2027, additionally for trailers, the standards are phased-in from 2018 (2020 in California) through 2027 (42).

SB 97 AND THE *CEQA GUIDELINES* UPDATE

Passed in August 2007, SB 97 added Section 21083.05 to the Public Resources Code. The code states "(a) On or before July 1, 2009, the Office of Planning and Research (OPR) shall prepare, develop, and transmit to the Resources Agency guidelines for the mitigation of GHG emissions or the effects of GHG emissions as required by this division, including, but not limited to, effects associated with transportation or energy consumption. (b) On or before January 1, 2010, the Resources Agency shall certify and adopt guidelines prepared and developed by the OPR pursuant to subdivision (a)." Section 21097 was also added to the Public Resources Code. It provided CEQA protection until January 1, 2010 for transportation projects funded by the Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006 or projects funded by the Disaster Preparedness and Flood Prevention Bond Act of 2006, in stating that the failure to analyze adequately the effects of GHGs would not violate CEQA.

On December 28, 2018, the Natural Resources Agency announced the OAL approved the amendments to the *CEQA Guidelines* for implementing the CEQA. The CEQA Amendments provide guidance to public agencies regarding the analysis and mitigation of the effects of GHG emissions in CEQA documents. The CEQA Amendments fit within the existing CEQA framework by amending existing *CEQA Guidelines* to reference climate change.

Section 15064.4 was amended to state that in determining the significance of a project's GHG emissions, the lead agency should focus its analysis on the reasonably foreseeable incremental

contribution of the project's emissions to the effects of climate change. A project's incremental contribution may be cumulatively considerable even if it appears relatively small compared to statewide, national or global emissions. The agency's analysis should consider a timeframe that is appropriate for the project. The agency's analysis also must reasonably reflect evolving scientific knowledge and state regulatory schemes. Additionally, a lead agency may use a model or methodology to estimate GHG emissions resulting from a project. The lead agency has discretion to select the model or methodology it considers most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change. The lead agency must support its selection of a model or methodology with substantial evidence. The lead agency should explain the limitations of the particular model or methodology selected for use (43).

2.7.4 City of Colton Climate Action Plan

The City of Colton adopted a Climate Action Plan (CAP) on November 3, 2015. The CAP contains further guidance on the City of Colton's GHG Inventory reduction goals, policies, guidelines, and implementation programs. The purpose of the CAP is to provide guidance on how to analyze GHG emissions and determine significance during the CEQA review of proposed development projects within the City of Colton (11). The CAP builds upon the Reduction Plan to address City-specific information and City-specific GHG reduction measures. To address the state's requirement to reduce GHG emissions, the City prepared its CAP with the goal of reducing GHG emissions within the City by 15% below 2008 levels by the year 2020. The City's target is consistent with the AB 32 target and ensures that the City of Colton will be providing GHG reductions locally that will complement state efforts to reduce GHG emissions. As part of the CAP, the City of Colton published a guidance document titled "Greenhouse Gas Emissions, Screening Tables" (April 2015). As part of this guidance, the City determined the size of development that is too small to be able to provide the level of GHG emission reductions expected from the Screening Tables or alternate emissions analysis method. The City's analysis determined that the 3,000 $MTCO_2e$/yr value be used in defining small projects that are considered less than significant and do not need to use the Screening Tables or alternative calculations. If the project exceeds the 3,000 $MTCO_2e$/yr threshold, then project emissions would need to be reduced by 25% from year 2008 emissions levels or alternatively the Project would need to achieve a minimum of 75 points pursuant to the CAP Screening Tables. The screening tables also allow developers to tailor their mitigation measures to the project's needs, rather than have them be subject to one-size fits all mitigation measures that may be too stringent for them.

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3 PROJECT GHG IMPACT

3.1 INTRODUCTION

The Project has been evaluated to determine if it will result in a significant GHG impact. The significance of these potential impacts is described in the following sections.

3.2 STANDARDS OF SIGNIFICANCE

CEQA Guidelines Section 15064.4 provides that lead agencies shall have the discretion to determine whether to quantify GHG emissions of projects or to rely upon a qualitative analysis or performance based standards, or both.

Section 15064.4 does not establish a threshold of significance. Lead agencies have the discretion to establish significance thresholds for their respective jurisdictions, and, in establishing those thresholds, a lead agency may appropriately look to thresholds developed by other public agencies, or suggested by other experts, such as the California Air Pollution Control Officers Association (CAPCOA), as long as any threshold chosen is supported by substantial evidence (see CEQA Guidelines Section 15064.7(c)). The CEQA Guidelines also clarify that the effects of GHG emissions are cumulative and should be analyzed in the context of CEQA's requirements for cumulative impact analysis (see CEQA Guidelines Section 15130(f)). It is noted that the CEQA Guidelines were amended in response to SB 97. In particular, the CEQA Guidelines were amended to specify that compliance with a GHG emissions reduction plan renders a cumulative impact less than significant.

Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that would avoid or substantially lessen the cumulative problem within the geographic area of the project. To qualify, such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency. Examples of such programs include a "water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plans [and] plans or regulations for the reduction of GHG emissions. In summary, CEQA Guidelines Section 15064(h)(3) allows the lead agency to make a finding of less than significant for GHG emissions if a project complies with adopted programs, plans, policies, and/or other regulatory schemes to reduce GHG emissions.

In the absence of any applicable adopted numeric threshold, the significance of the Project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b) by considering whether the Project is consistent with applicable regulations or requirements adopted to implement a Statewide, regional, or local plan for the reduction or mitigation of GHG emission. For this Project, as a land use development project, the most directly applicable adopted regulatory plan to reduce GHG emissions is the City of Colton CAP, which is designed to achieve regional GHG reductions from the land use and transportation sectors as required by the State's

climate goals. This analysis also considers consistency with regulations or requirements adopted by the AB 32 Scoping Plan and subsequent updates.

For informational purposes, the analysis also calculates the amount of GHG emissions that would be attributable to the Project using recommended air quality models, as described, below. The primary purpose of quantifying the Project's GHG emissions is to satisfy State CEQA Guidelines 15064.4(a), which calls for a good-faith effort to describe and calculate emissions. The estimated emissions inventory is also used to determine if there would be a reduction in the Project's incremental contribution of GHG emissions because of compliance with regulations and requirements adopted to implement plans for the reduction or mitigation of GHG emissions.

3.3 MODELS EMPLOYED TO CALCULATE GHG EMISSIONS

3.3.1 CALIFORNIA EMISSIONS ESTIMATOR MODEL (CALEEMOD)

On October 17, 2017, the SCAQMD, in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released CalEEMod Version 2016.3.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutants and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (44). Accordingly, the latest version of CalEEMod has been used for this Project to determine GHG emissions. Output from the model runs for construction and operational activity are provided in Appendices 3.1 through 3.3. CalEEMod includes GHG emissions from the following source categories: construction, area, energy, mobile, waste, water.

3.3.2 EMFAC2017 EMISSION RATES

On August 19, 2019, the EPA approved the 2017 version of the EMissions FACtor model (EMFAC) web database for use in State Implementation Plan and transportation conformity analyses. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources (45). This GHGA utilizes annual EMFAC2017 emission factors in order to derive vehicle emissions associated with Project operational activities.

Because the EMFAC2017 emission rates are associated with vehicle fuel types while CalEEMod vehicle emission factors are aggregated to include all fuel types for each individual vehicle class, the EMFAC2017 emission rates for different fuel types of a vehicle class are averaged by activity or by population and activity to derive CalEEMod emission factors. The equations applied to obtain CalEEMod vehicle emission factors for each emission type are detailed in CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* (46).

3.4 LIFE-CYCLE ANALYSIS NOT REQUIRED

A full life-cycle analysis (LCA) for construction and operational activity is not included in this analysis due to the lack of consensus guidance on LCA methodology at this time (47). Life-cycle analysis (i.e., assessing economy-wide GHG emissions from the processes in manufacturing and

transporting all raw materials used in the Project development, infrastructure and on-going operations) depends on emission factors or econometric factors that are not well established for all processes. At this time, an LCA would be extremely speculative and thus has not been prepared.

Additionally, the SCAQMD recommends analyzing direct and indirect project GHG emissions generated within California and not life-cycle emissions because the life-cycle effects from a project could occur outside of California, might not be very well understood or documented, and would be challenging to mitigate (48). Additionally, the science to calculate life cycle emissions is not yet established or well defined; therefore, SCAQMD has not recommended, and is not requiring, life-cycle emissions analysis.

3.5 CONSTRUCTION EMISSIONS

3.5.1 CONSTRUCTION ACTIVITIES

Project construction actvities would generate CO_2 and CH_4 emissions. The report *Agua Mansa Commerce Center Air Quality Impact Analysis Report* (AQIA) contains detailed information regarding Project construction activities (49). As discussed in the AQIA, Construction related emissions are expected from the following construction activities:

- Fine Grading/Site Preparation
- Building Construction/Concrete Pours
- Architectural Coating

3.5.2 CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in August 2021 and will be completed December 2022. The construction schedule utilized in the analysis, shown in Table 3-1, represents a "worst-case" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent[4]. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (50).

TABLE 3-1: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Fine Grading/Site Preparation	08/28/2021	11/19/2021	60
Building Construction/Concrete Pours	11/20/2021	12/16/2022	280

[4] As shown in the CalEEMod User's Guide Version 2016.3.2, Section 4.3 "OFFROAD Equipment" as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

Architectural Coating	05/21/2022	12/16/2022	150

3.5.3 CONSTRUCTION EQUIPMENT

A summary of construction equipment by phase is provided at Table 3-2. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-2 will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City of Colton Municipal Code.

TABLE 3-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Phase Name	Equipment	Amount	Hours Per Day
Fine Grading/Site Preparation	Crawler Tractors	6	8
	Rubber Tired Dozers	4	8
Building Construction/Concrete Pours	Cranes	2	8
	Crawler Tractors	6	8
	Forklifts	6	8
	Generator Sets	2	8
	Welders	2	8
Architectural Coating	Air Compressors	1	8

3.5.4 CONSTRUCTION EMISSIONS SUMMARY

For construction phase Project emissions, GHGs are quantified and amortized over the life of the Project. To amortize the emissions over the life of the Project, the SCAQMD recommends calculating the total GHG emissions for the construction activities, dividing it by a 30-year Project life then adding that number to the annual operational phase GHG emissions (51). As such, construction emissions were amortized over a 30-year period and added to the annual operational phase GHG emissions. The amortized construction emissions are presented in Table 3-3.

TABLE 3-3: AMORTIZED ANNUAL CONSTRUCTION EMISSIONS

Year	Emissions (MT/yr)			
	CO_2	CH_4	N_2O	Total CO_2e[5]
2021	723.89	0.12	0.00	726.89
2022	3,826.47	0.39	0.00	3,836.12
Total GHG Emissions	4,550.36	0.51	0.00	4,563.01
Amortized Construction Emissions ($MTCO_2e$)	**151.68**	**0.02**	**0.00**	**152.10**

3.6 OPERATIONAL EMISSIONS

Operational activities associated with the Project will result in emissions of CO_2, CH_4, and N_2O from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- On-Site Cargo Handling Equipment Emissions
- Transportation Refrigeration Unit (TRU) Emissions
- Water Supply, Treatment, and Distribution
- Solid Waste

3.6.1 AREA SOURCE EMISSIONS

LANDSCAPE MAINTENANCE EQUIPMENT

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shedders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod.

3.6.2 ENERGY SOURCE EMISSIONS

COMBUSTION EMISSIONS ASSOCIATED WITH NATURAL GAS AND ELECTRICITY

GHGs are emitted from buildings as a result of activities for which electricity and natural gas are typically used as energy sources. Combustion of any type of fuel emits CO_2 and other GHGs directly into the atmosphere; these emissions are considered direct emissions associated with a building; the building energy use emissions do not include street lighting[6]. GHGs are also emitted

[5] CalEEMod reports the most common GHGs emitted which include CO_2, CH_4, and N_2O. These GHGs are then converted into the CO_2e by multiplying the individual GHG by the GWP.

[6] The CalEEMod emissions inventory model does not include indirect emission related to street lighting. Indirect emissions related to street lighting are expected to be negligible and cannot be accurately quantified at this time as there is insufficient information as to the number and type of street lighting that would occur.

during the generation of electricity from fossil fuels; these emissions are considered to be indirect emissions. Building 1 of the proposed Project will demand 5 MW of power and 1.3 million British thermal units (MBTU) of natural gas. For purposes of analysis, energy usage associated with Building 2 of the proposed Project will be modeled based on CalEEMod default parameters.

TITLE 24 ENERGY EFFICIENCY STANDARDS

The CalEEMod defaults for Title 24 – Electricity and Lighting Energy were reduced by 30% in order to reflect consistency with the 2019 Title 24 standard.

3.6.3 MOBILE SOURCE EMISSIONS

The Project related GHG emissions derive primarily from vehicle trips generated by the Project, including employee trips to and from the site and truck trips associated with the proposed uses. Trip characteristics available from the *Agua Mansa Commerce Center Traffic Analysis* (TA) were utilized in this analysis (52).

APPROACH FOR ANALYSIS OF THE PROJECT

To determine emissions from passenger car vehicles, the CalEEMod defaults were utilized for trip length and trip purpose for the proposed industrial land uses. For the proposed industrial uses, it is important to note that although the TA does not breakdown passenger cars by type, this analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1[7] & LDT2[8]), Medium-Duty-Vehicles (MDV), Motorcycles (MCY) vehicle types. To account for emissions generated by passenger cars, the following fleet mix was utilized in this analysis:

TABLE 3-4: PASSENGER CAR FLEET MIX

Building	Land Use	Vehicle Type	%
Building 1	High-Cube Cold Storage Warehouse	LDA	62.01
		LDT1	4.08
		LDT2	20.21
		MDV	13.04
		MCY	0.66
Building 2	High-Cube Cold Storage Warehouse/ High-Cube Fulfillment Center Warehouse	LDA	62.01
		LDT1	4.08
		LDT2	20.21
		MDV	13.04
		MCY	0.66

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

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

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, MDV, MCY vehicles types.

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length of 40 miles[9] and an assumption of 100% primary trips for the proposed industrial land uses. In order to be consistent with the TA, trucks are broken down by truck type. The truck fleet mix is estimated by rationing the trip rates for each truck type based on information provided in the TIA. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1[10] & LHDT2 [11])/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 3-5: TRUCK FLEET MIX

Building	Land Use	Vehicle Type	%
Building 1	High-Cube Cold Storage Warehouse	LHDT1	26.38
		LHDT2	8.32
		MHDT	11.18
		HHDT	54.12
Building 2	High-Cube Cold Storage Warehouse	LHDT1	26.51
		LHDT2	8.37
		MHDT	11.63
		HHDT	53.49
	High-Cube Fulfillment Center Warehouse	LHDT1	8.06
		LHDT2	2.54
		MHDT	10.61
		HHDT	78.79

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

It should be noted that the TA identifies two different truck categories for the high-cube fulfillment center warehouse use, 2-4-axle and 5+-axle trucks. CalEEMod categorizes trucks by truck type, not by axle-type. In order to account for emissions from LHDT, MHDT, and HHDT trucks, the analysis herein assumed that 25% of the 2-4 axle trucks are LHDT, 25% are MHDT, and the remaining 50% are HHDT.

[9] The average trip length for heavy trucks were based on the SCAQMD documents for the implementation of the Facility-Based Mobile Source Measures (FBMSMs) adopted in the 2016 AQMP. SCAQMD's "Preliminary Warehouse Emission Calculations" cites 39.9-mile trip length for heavy-heavy trucks (41). As a conservative measure, a trip length of 40 miles has been utilized for all trucks for the purpose of this analysis (39)

[10] Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

[11] Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

3.6.4 On-Site Cargo Handling Equipment Emissions

It is common for industrial warehouse buildings to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. For purposes of analysis, it is assumed that the Project would require on-site operational equipment of up to four (4) 200 horsepower (hp), compressed natural gas or gasoline-powered tractors/loaders/backhoes operating at 4 hours a day for 365 days of the year.

3.6.5 TRU Emissions

Because the Project proposes refrigerated uses, trucks associated with the High-Cube Automated Freezer/Cold Storage Warehouse land use are assumed to have TRUs. Therefore, for modeling purposes this analysis assumes that 57 LHDT1 and LHDT2 vehicles are instate genset TRUs and 139 MHDT and HHDT vehicles are instate trailer TRUs. TRUs are also accounted for during on-site and off-site travel. The TRU calculations are based on the 2017 Off-road Emissions model, version 1.0.1 (Orion), developed by the CARB. Orion does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operation.

3.6.6 Water Supply, Treatment and Distribution

Indirect GHG emissions result from the production of electricity used to convey, treat and distribute water and wastewater. The amount of electricity required to convey, treat and distribute water depends on the volume of water as well as the sources of the water. Unless otherwise noted, CalEEMod default parameters were used.

3.6.7 Solid Waste

Industrial land uses will result in the generation and disposal of solid waste. A percentage of this waste will be diverted from landfills by a variety of means, such as reducing the amount of waste generated, recycling, and/or composting. The remainder of the waste not diverted will be disposed of at a landfill. GHG emissions from landfills are associated with the anaerobic breakdown of material. GHG emissions associated with the disposal of solid waste associated with the proposed Project were calculated by CalEEMod using default parameters.

3.6.8 PROPOSED PROJECT GHG EMISSIONS SUMMARY

The annual GHG emissions associated with the Project are summarized in Table 3-6. As shown in Table 3-6, construction and operation of the Project would generate a net total of approximately 16,385.02 $MTCO_2e$/yr.

TABLE 3-6: PROJECT GHG EMISSIONS

Emission Source	Emissions (MT/yr)			
	CO_2	CH_4	N_2O	Total CO_2e
Annual construction-related emissions amortized over 30 years	151.68	0.02	0.00	152.10
Area Source	0.09	2.20E-04	0.00	0.09
Energy Source	5,376.68	0.22	0.04	5,396.58
Mobile Source	8,516.61	0.55	0.00	8,530.35
TRUs	-	-	-	641.10
On-Site Equipment	203.17	0.07	0.00	204.81
Waste	173.74	10.27	0.00	430.44
Water Usage	807.11	6.89	0.17	1,029.55
Total CO_2e (All Sources)	**16,385.02**			

3.8 GHG EMISSIONS FINDINGS AND RECOMMENDATIONS

Compliance with qualitative analyses and performance-based standards

As previously stated, pursuant to 15064.4 of the CEQA Guidelines, a lead agency may rely on qualitative analysis or performance-based standards to determine the significance of impacts from GHG emissions (43).

In November 2017, CARB released the Final 2017 Scoping Plan Update, which identifies the State's post-2020 reduction strategy. As Project building is anticipated to occur in 2022, consistency with SB 32 is discussed below.

CONSISTENCY WITH SB 32 (2017 SCOPING PLAN UPDATE)

The 2017 Scoping Plan Update reflects the 2030 target of a 40% reduction below 1990 levels, set by Executive Order B-30-15 and codified by SB 32. Table 3-7 summarizes the project's consistency with the 2017 Scoping Plan. As summarized, the project will not conflict with any of the provisions of the Scoping Plan and in fact supports seven of the action categories.

TABLE 3-7: 2017 SCOPING PLAN CONSISTENCY SUMMARY[12]

Action	Responsible Parties	Consistency
Implement SB 350 by 2030		
Increase the Renewables Portfolio Standard to 50% of retail sales by 2030 and ensure grid reliability.	CPUC, CEC, CARB	Consistent. The Project would use energy from Southern California Edison (SCE). SCE has committed to diversify its portfolio of energy sources by increasing energy from wind and solar sources. The Project would not interfere with or obstruct SCE energy source diversification efforts.
Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.		Consistent. The Project would be designed and constructed to implement the energy efficiency measures for new commercial developments and would include several measures designed to reduce energy consumption. The Project would not interfere with or obstruct policies or strategies to establish annual targets for statewide energy efficiency savings and demand reduction.
Reduce GHG emissions in the electricity sector through the implementation of the above measures and other actions as modeled in Integrated Resource Planning (IRP) to meet GHG emissions reductions planning targets in the IRP process. Load-serving entities and publicly- owned utilities meet GHG emissions reductions planning targets through a combination of measures as described in IRPs.		Consistent. The proposed Project would be designed and constructed to implement the energy efficiency measures, where applicable by including several measures designed to reduce energy consumption. The proposed Project includes energy efficient field lighting and fixtures that meet the current Title 24 Standards throughout the Project Site and would be a modern development with energy efficient boilers, heaters, and air conditioning systems.
Implement Mobile Source Strategy (Cleaner Technology and Fuels)		
At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025.	CARB, California State Transportation Agency (CalSTA), Strategic Growth Council (SGC),	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB zero emission and plug-in hybrid light-duty electric vehicle 2025 targets.

[12] Measures can be found at the following link: https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf

Action	Responsible Parties	Consistency
At least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.	California Department of Transportation (Caltrans), CEC, OPR, Local Agencies	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB zero emission and plug-in hybrid light-duty electric vehicle 2030 targets.
Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean cars regulations.		Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean cars regulations.
Medium- and Heavy-Duty GHG Phase 2.		Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to implement Medium- and Heavy-Duty GHG Phase 2.
Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20% of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100% of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NO_X standard.		Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts improve transit-source emissions.
Last Mile Delivery: New regulation that would result in the use of low NO_X or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5% of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10% in 2025 and remaining flat through 2030.		Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to improve last mile delivery emissions.
Further reduce VMT through continued implementation of SB 375 and regional Sustainable Communities Strategies; forthcoming statewide implementation of SB 743; and potential additional VMT reduction strategies not specified in the Mobile Source Strategy but included in the document "Potential VMT Reduction Strategies for Discussion."		Consistent. This Project would not obstruct or interfere with implementation of SB 375 and would therefore not conflict with this measure.

Action	Responsible Parties	Consistency
Increase stringency of SB 375 Sustainable Communities Strategy (2035 targets).	CARB	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to Increase stringency of SB 375 Sustainable Communities Strategy (2035 targets), which apply to passenger vehicles.
Harmonize project performance with emissions reductions and increase competitiveness of transit and active transportation modes (e.g. via guideline documents, funding programs, project selection, etc.).	CalSTA, SGC, OPR, CARB, Governor's Office of Business and Economic Development (GO-Biz), California Infrastructure and Economic Development Bank (IBank), Department of Finance (DOF), California Transportation Commission (CTC), Caltrans	Consistent. The Project would not obstruct or interfere with agency efforts to harmonize transportation facility project performance with emissions reductions and increase competitiveness of transit and active transportation modes.
By 2019, develop pricing policies to support low-GHG transportation (e.g. low-emission vehicle zones for heavy duty, road user, parking pricing, transit discounts).	CalSTA, Caltrans, CTC, OPR, SGC, CARB	Consistent. The Project would not obstruct or interfere with agency efforts to develop pricing policies to support low-GHG transportation.
Implement California Sustainable Freight Action Plan		
Improve freight system efficiency.	CalSTA, CalEPA, CNRA, CARB, Caltrans, CEC, GO-Biz	Consistent. This measure would apply to all trucks accessing the Project site, this may include existing trucks or new trucks that are part of the statewide goods movement sector. The Project would not obstruct or interfere with agency efforts to Improve freight system efficiency.

Action	Responsible Parties	Consistency
Deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize both zero and near-zero emission freight vehicles and equipment powered by renewable energy by 2030.		Consistent. The Project would not obstruct or interfere with agency efforts to deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize both zero and near-zero emission freight vehicles and equipment powered by renewable energy by 2030.
Adopt a Low Carbon Fuel Standard with a Carbon Intensity reduction of 18%.	CARB	Consistent. When adopted, this measure would apply to all fuel purchased and used by the Project in the state. The Project would not obstruct or interfere with agency efforts to adopt a Low Carbon Fuel Standard with a Carbon Intensity reduction of 18%.
Implement the Short-Lived Climate Pollutant Strategy (SLPS) by 2030		
40% reduction in methane and hydrofluorocarbon emissions below 2013 levels.	CARB, CalRecycle, CDFA, SWRCB, Local Air Districts	Consistent. The Project would be required to comply with this measure and reduce any Project-source SLPS emissions accordingly. The Project would not obstruct or interfere agency efforts to reduce SLPS emissions.
50% reduction in black carbon emissions below 2013 levels.		
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	CARB, CalRecycle, CDFA SWRCB, Local Air Districts	Consistent. The Project would implement waste reduction and recycling measures consistent with State and City requirements. The Project would not obstruct or interfere agency efforts to support organic waste landfill reduction goals in the SLCP and SB 1383.
Implement the post-2020 Cap-and-Trade Program with declining annual caps.	CARB	Consistent. The Project would be required to comply with any applicable Cap-and-Trade Program provisions. The Project would not obstruct or interfere agency efforts to implement the post-2020 Cap-and-Trade Program.

Action	Responsible Parties	Consistency
By 2018, develop Integrated Natural and Working Lands Implementation Plan to secure California's land base as a net carbon sink		
Protect land from conversion through conservation easements and other incentives.	CNRA, Departments Within CDFA, CalEPA, CARB	Consistent. The Project would not obstruct or interfere agency efforts to protect land from conversion through conservation easements and other incentives.
Increase the long-term resilience of carbon storage in the land base and enhance sequestration capacity		Consistent. The Project would not obstruct or interfere agency efforts to increase the long-term resilience of carbon storage in the land base and enhance sequestration capacity.
Utilize wood and agricultural products to increase the amount of carbon stored in the natural and built environments		Consistent. Where appropriate, Project designs will incorporate wood or wood products. The Project would not obstruct or interfere agency efforts to encourage use of wood and agricultural products to increase the amount of carbon stored in the natural and built environments.
Establish scenario projections to serve as the foundation for the Implementation Plan		Consistent. The Project would not obstruct or interfere agency efforts to establish scenario projections to serve as the foundation for the Implementation Plan.
Establish a carbon accounting framework for natural and working lands as described in SB 859 by 2018	CARB	Consistent. The Project would not obstruct or interfere agency efforts to establish a carbon accounting framework for natural and working lands as described in SB 859 by 2018.
Implement Forest Carbon Plan	CNRA, California Department of Forestry and Fire Protection (CAL FIRE), CalEPA and Departments Within	Consistent. The Project would not obstruct or interfere agency efforts to implement the Forest Carbon Plan.

Action	Responsible Parties	Consistency
Identify and expand funding and financing mechanisms to support GHG reductions across all sectors.	State Agencies & Local Agencies	Consistent. The Project would not obstruct or interfere agency efforts to identify and expand funding and financing mechanisms to support GHG reductions across all sectors.

As shown above, the Project would not conflict with any of the 2017 Scoping Plan elements as the regulations adopted do not apply directly or indirectly to the Project. Further, recent studies show that the State's existing and proposed regulatory framework will allow the State to reduce its GHG emissions level to 40% below 1990 levels by 2030 (38).

CITY OF COLTON CAP CONSISTENCY

Pursuant to the City of Colton GHG Emissions Screening Tables and consistent with the screening tables that were customized for each of the 21 participating cities (one of which includes the City of Colton) in the San Bernardino Associated Governments (SANBAG) CAP Implementation Tools Final Report, projects within the City of Colton that achieve at least 75 points based on the City's screening tables are determined to be consistent with the reduction quantities anticipated in the City's CAP.

According to the City's GHG Emissions Reduction Plan, any project that adopts at least 75 points of GHG reduction measures listed in the Screening Tables, would be consistent with the City's GHG Plan. Therefore, since the Project will incorporate at least 75 points from the screening tables, the Project's impact on GHG emissions is less than significant.

The Project would comply with applicable qualitative analysis and performance-based standards.

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54. **City of Colton.** *City of Colton General Plan Update Environmental Impact Report.* Colton : s.n., 2013.

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5 CERTIFICATIONS

The contents of this GHG study report represent an accurate depiction of the GHG impacts associated with the proposed Agua Mansa Commerce Center Project. The information contained in this GHG report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

Haseeb Qureshi
Associate Principal
URBAN CROSSROADS, INC.
hqureshi@urbanxroads.com

EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

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

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APPENDIX 3.1:

CALEEMOD PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUTS

Agua Mansa Commerce Center (Construction - with PDFs)

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	568.54	1000sqft	13.05	568,654.25	0
Unrefrigerated Warehouse-No Rail	342.00	1000sqft	7.86	342,333.75	0
Other Non-Asphalt Surfaces	1,659.05	1000sqft	38.09	1,659,052.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provider. As such, SCE was used and the intensity factors adjusted to reflect the RPS 2022.

Land Use - Total Project area is 59 acres

Construction Phase - Construction schedule based on consultation with the Project team

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

Off-road Equipment - Construction equipment based on consultation with the Project team

Off-road Equipment - Construction equipment based on consultation with the Project team

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Fine Grading/Site Preparation and Building Construction/Concrete Pours.

Grading - This analysis conservatively assumes that up to 20 acres will be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Tier 3 engines for all equipment; Increase watering to 4 times per day

Table Name	Column Name	Default Value	New Value
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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0516e-003
tblVehicleEF	LDT1	7.7200e-004	6.4607e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4093e-003

tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.6015e-003
tblVehicleEF	LDT2	2.4170e-003	1.9239e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.4738e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2988e-003
tblVehicleEF	LDT2	8.2200e-004	6.9069e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03

tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9544e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.6015e-003
tblVehicleEF	LDT2	2.4170e-003	1.9239e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.4738e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5163e-003
tblVehicleEF	LDT2	8.1700e-004	6.8227e-004
tblVehicleEF	LDT2	0.13	0.18

tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3219e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7270e-003	1.6015e-003
tblVehicleEF	LDT2	2.4170e-003	1.9239e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.5880e-003	1.4738e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33

tblVehicleEF	LDT2	3.4410e-003	3.2583e-003
tblVehicleEF	LDT2	8.2200e-004	6.9088e-004
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tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0851e-003
tblVehicleEF	LHD1	0.01	6.1022e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.8960e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8774e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.5961e-004
tblVehicleEF	LHD1	9.2400e-004	8.5112e-004
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.5390e-003	2.4693e-003
tblVehicleEF	LHD1	0.01	9.3755e-003
tblVehicleEF	LHD1	8.8100e-004	2.3870e-004
tblVehicleEF	LHD1	3.7070e-003	3.0394e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5811e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	8.9587e-005
tblVehicleEF	LHD1	5.9760e-003	6.3567e-003
tblVehicleEF	LHD1	3.5300e-004	1.1097e-004
tblVehicleEF	LHD1	3.7070e-003	3.0394e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5811e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0986e-003
tblVehicleEF	LHD1	0.01	6.2279e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25

tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.8960e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8774e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.5961e-004
tblVehicleEF	LHD1	9.2400e-004	8.5112e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4693e-003
tblVehicleEF	LHD1	0.01	9.3755e-003
tblVehicleEF	LHD1	8.8100e-004	2.3870e-004
tblVehicleEF	LHD1	7.3080e-003	5.4783e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0454e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	8.9587e-005
tblVehicleEF	LHD1	5.9770e-003	6.3569e-003
tblVehicleEF	LHD1	3.5000e-004	1.1002e-004
tblVehicleEF	LHD1	7.3080e-003	5.4783e-003
tblVehicleEF	LHD1	0.13	0.10

tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0454e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0868e-003
tblVehicleEF	LHD1	0.01	6.1097e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.8960e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.8774e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.5961e-004
tblVehicleEF	LHD1	9.2400e-004	8.5112e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5390e-003	2.4693e-003
tblVehicleEF	LHD1	0.01	9.3755e-003
tblVehicleEF	LHD1	8.8100e-004	2.3870e-004

tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	8.9587e-005
tblVehicleEF	LHD1	5.9760e-003	6.3567e-003
tblVehicleEF	LHD1	3.5200e-004	1.1085e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6951e-003
tblVehicleEF	LHD2	4.6110e-003	4.1043e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10

tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3102e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3689e-004
tblVehicleEF	LHD2	1.2280e-003	1.2536e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6557e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2586e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.1958e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3534e-004
tblVehicleEF	LHD2	5.9200e-003	6.4299e-003
tblVehicleEF	LHD2	2.6700e-004	8.6686e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.1958e-004
tblVehicleEF	LHD2	0.07	0.07

tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7049e-003
tblVehicleEF	LHD2	4.6760e-003	4.1458e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3102e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3689e-004
tblVehicleEF	LHD2	1.2280e-003	1.2536e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6557e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2586e-004
tblVehicleEF	LHD2	2.5220e-003	3.0729e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02

tblVehicleEF	LHD2	1.5220e-003	1.7625e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3534e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6075e-005
tblVehicleEF	LHD2	2.5220e-003	3.0729e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7625e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6963e-003
tblVehicleEF	LHD2	4.6180e-003	4.1077e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3102e-003

tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3689e-004
tblVehicleEF	LHD2	1.2280e-003	1.2536e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6860e-003	2.6557e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2586e-004
tblVehicleEF	LHD2	1.3460e-003	1.7143e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2205e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3534e-004
tblVehicleEF	LHD2	5.9200e-003	6.4299e-003
tblVehicleEF	LHD2	2.6600e-004	8.6614e-005
tblVehicleEF	LHD2	1.3460e-003	1.7143e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2205e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34

tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.9647e-003
tblVehicleEF	MCY	3.6730e-003	2.9599e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7420e-003	1.8375e-003
tblVehicleEF	MCY	3.4650e-003	2.7874e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0983e-003
tblVehicleEF	MCY	6.9000e-004	6.0098e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87

tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.9647e-003
tblVehicleEF	MCY	3.6730e-003	2.9599e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7420e-003	1.8375e-003
tblVehicleEF	MCY	3.4650e-003	2.7874e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0969e-003
tblVehicleEF	MCY	6.6700e-004	5.8265e-004
tblVehicleEF	MCY	3.14	2.77

tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.8610e-003	1.9647e-003
tblVehicleEF	MCY	3.6730e-003	2.9599e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.7420e-003	1.8375e-003
tblVehicleEF	MCY	3.4650e-003	2.7874e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81

tblVehicleEF	MCY	2.0610e-003	2.0897e-003
tblVehicleEF	MCY	6.8200e-004	5.9755e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5203e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0314e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5536e-003
tblVehicleEF	MDV	2.3150e-003	1.8682e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10

tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0782e-003
tblVehicleEF	MDV	1.1370e-003	8.5856e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2114e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0314e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5536e-003
tblVehicleEF	MDV	2.3150e-003	1.8682e-003

tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3078e-003
tblVehicleEF	MDV	1.1260e-003	8.4816e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4045e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0314e-003
tblVehicleEF	MDV	0.02	0.02

tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6830e-003	1.5536e-003
tblVehicleEF	MDV	2.3150e-003	1.8682e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0355e-003
tblVehicleEF	MDV	1.1360e-003	8.5880e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
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tblVehicleEF	MH	3.07	0.35
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tblVehicleEF	MH	1,045.05	970.21
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tblVehicleEF	MH	1.54	4.24
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tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1719e-003
tblVehicleEF	MH	7.0700e-004	0.00
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tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6581e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
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tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1719e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6581e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00

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tblVehicleEF	MH	59.49	0.00
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tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2230e-003	4.0000e-003
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tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
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tblVehicleEF	MH	0.37	0.00
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tblVehicleEF	MH	0.15	0.09
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tblVehicleEF	MHD	3.8600e-004	1.2312e-003
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tblVehicleEF	MHD	5.0030e-003	0.04
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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
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tblVehicleEF	MHD	0.02	0.02
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tblVehicleEF	MHD	0.02	0.08

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tblVehicleEF	MHD	6.1700e-004	6.2867e-005
tblVehicleEF	MHD	1.2800e-003	4.5316e-004
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tblVehicleEF	MHD	0.03	0.02
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tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	MHD	0.02	2.3863e-003
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tblVehicleEF	MHD	0.05	6.2099e-003
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tblVehicleEF	MHD	0.01	0.01
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tblVehicleEF	MHD	7.6400e-004	7.5272e-005
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tblVehicleEF	MHD	4.7830e-003	0.03
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tblVehicleEF	MHD	0.02	0.08
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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
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tblVehicleEF	MHD	0.01	9.2622e-003

tblVehicleEF	MHD	6.1600e-004	6.2769e-005
tblVehicleEF	MHD	1.3890e-003	4.7067e-004
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tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4401e-004
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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
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tblVehicleEF	OBUS	0.28	0.34
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tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8943e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1817e-004
tblVehicleEF	OBUS	6.1000e-005	5.6393e-004
tblVehicleEF	OBUS	0.06	0.06

tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
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tblVehicleEF	OBUS	2.1800e-003	2.6021e-003
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tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2525e-004
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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1161e-003
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tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8754e-003
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tblVehicleEF	OBUS	0.03	0.02
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tblVehicleEF	OBUS	5.4000e-005	5.0096e-004
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tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1817e-004
tblVehicleEF	OBUS	5.1000e-005	4.7929e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0060e-004
tblVehicleEF	OBUS	4.2350e-003	4.6858e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2091e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2366e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	1.9990e-004
tblVehicleEF	OBUS	4.2350e-003	4.6858e-003
tblVehicleEF	OBUS	0.02	0.03

tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2091e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7745e-003
tblVehicleEF	OBUS	9.9380e-003	6.5995e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1159e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1817e-004
tblVehicleEF	OBUS	7.4000e-005	6.8081e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0060e-004

tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1655e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2746e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0284e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1655e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5844e-003
tblVehicleEF	SBUS	0.07	6.1574e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29

tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3578e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.9546e-005
tblVehicleEF	SBUS	0.01	4.1693e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6361e-005
tblVehicleEF	SBUS	2.9260e-003	1.2417e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9026e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2887e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7406e-005
tblVehicleEF	SBUS	2.9260e-003	1.2417e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9026e-004
tblVehicleEF	SBUS	0.13	0.13

tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7142e-003
tblVehicleEF	SBUS	0.06	5.1553e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6811e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.9546e-005
tblVehicleEF	SBUS	9.6490e-003	3.5218e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6361e-005
tblVehicleEF	SBUS	5.6170e-003	2.2078e-003
tblVehicleEF	SBUS	0.02	9.9848e-003
tblVehicleEF	SBUS	0.67	0.28

tblVehicleEF	SBUS	2.8800e-003	1.1133e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3635e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.3656e-005
tblVehicleEF	SBUS	5.6170e-003	2.2078e-003
tblVehicleEF	SBUS	0.02	9.9848e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1133e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5765e-003
tblVehicleEF	SBUS	0.07	6.3442e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2923e-003

tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	3.9546e-005
tblVehicleEF	SBUS	0.01	5.0633e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6361e-005
tblVehicleEF	SBUS	2.9580e-003	1.2073e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0130e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1854e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8025e-005
tblVehicleEF	SBUS	2.9580e-003	1.2073e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0130e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45

tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6547e-003
tblVehicleEF	UBUS	1.4030e-003	1.4136e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.06	2.5281e-003
tblVehicleEF	UBUS	1.2900e-003	1.2997e-004
tblVehicleEF	UBUS	8.0860e-003	1.6779e-003
tblVehicleEF	UBUS	0.11	9.5389e-003
tblVehicleEF	UBUS	3.9450e-003	7.3721e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0254e-003
tblVehicleEF	UBUS	1.6240e-003	1.1651e-004
tblVehicleEF	UBUS	8.0860e-003	1.6779e-003
tblVehicleEF	UBUS	0.11	9.5389e-003
tblVehicleEF	UBUS	3.9450e-003	7.3721e-004
tblVehicleEF	UBUS	2.50	4.54

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2353e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6547e-003
tblVehicleEF	UBUS	1.4030e-003	1.4136e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.06	2.5281e-003
tblVehicleEF	UBUS	1.2900e-003	1.2997e-004
tblVehicleEF	UBUS	0.02	3.0607e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4842e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0254e-003
tblVehicleEF	UBUS	1.5790e-003	1.1434e-004
tblVehicleEF	UBUS	0.02	3.0607e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4842e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6547e-003
tblVehicleEF	UBUS	1.4030e-003	1.4136e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.06	2.5281e-003
tblVehicleEF	UBUS	1.2900e-003	1.2997e-004
tblVehicleEF	UBUS	9.2250e-003	1.6874e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4483e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04

tblVehicleEF	UBUS	0.01	3.0254e-003
tblVehicleEF	UBUS	1.6160e-003	1.1672e-004
tblVehicleEF	UBUS	9.2250e-003	1.6874e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4483e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	41.00	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	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00

tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	131,474,875.00	0.00
tblWater	IndoorWaterUseRate	79,087,500.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4203	4.5446	2.2470	7.9700e-003	1.6839	0.1583	1.8422	0.5518	0.1463	0.6981	0.0000	723.8950	723.8950	0.1199	0.0000	726.8927
2022	5.4375	13.3679	10.5543	0.0418	2.0455	0.3467	2.3922	0.5503	0.3241	0.8745	0.0000	3,826.4705	3,826.4705	0.3858	0.0000	3,836.1165
Maximum	**5.4375**	**13.3679**	**10.5543**	**0.0418**	**2.0455**	**0.3467**	**2.3922**	**0.5518**	**0.3241**	**0.8745**	**0.0000**	**3,826.4705**	**3,826.4705**	**0.3858**	**0.0000**	**3,836.1165**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1941	2.7476	2.8139	7.9700e-003	0.6783	0.0775	0.7558	0.2070	0.0773	0.2843	0.0000	723.8947	723.8947	0.1199	0.0000	726.8923
2022	4.9917	11.2233	12.3014	0.0418	2.0455	0.2849	2.3304	0.5503	0.2837	0.8340	0.0000	3,826.4694	3,826.4694	0.3858	0.0000	3,836.1153
Maximum	**4.9917**	**11.2233**	**12.3014**	**0.0418**	**2.0455**	**0.2849**	**2.3304**	**0.5503**	**0.2837**	**0.8340**	**0.0000**	**3,826.4694**	**3,826.4694**	**0.3858**	**0.0000**	**3,836.1153**

	ROG	**NOx**	**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	**11.47**	**22.00**	**-18.08**	**0.00**	**26.96**	**28.24**	**27.12**	**31.28**	**23.27**	**28.89**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**8-28-2021**	**11-27-2021**	3.3896	1.7258
2	**11-28-2021**	**2-27-2022**	3.9747	3.1892
3	**2-28-2022**	**5-27-2022**	3.8404	3.1861
4	**5-28-2022**	**8-27-2022**	5.6702	4.9858
5	**8-28-2022**	**9-30-2022**	2.0955	1.8426
		Highest	5.6702	4.9858

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	3.8475	3.0000e-004	0.0329	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0638	0.0638	1.7000e-004	0.0000	0.0680
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8475**	**3.0000e-004**	**0.0329**	**0.0000**	**0.0000**	**1.2000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.0638**	**0.0638**	**1.7000e-004**	**0.0000**	**0.0680**

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	3.8475	3.0000e-004	0.0329	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0638	0.0638	1.7000e-004	0.0000	0.0680
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8475**	**3.0000e-004**	**0.0329**	**0.0000**	**0.0000**	**1.2000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.0638**	**0.0638**	**1.7000e-004**	**0.0000**	**0.0680**

	ROG	NOx	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	Fine Grading/Site Preparation	Grading	8/28/2021	11/19/2021	5	60	
2	Building Construction/Concrete Pours	Building Construction	11/20/2021	12/16/2022	5	280	
3	Architectural Coating	Architectural Coating	5/21/2022	12/16/2022	5	150	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 38.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,366,482; Non-Residential Outdoor: 455,494; Striped Parking Area: 99,543 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Fine Grading/Site Preparation	Crawler Tractors	6	8.00	212	0.43
Fine Grading/Site Preparation	Excavators	0	8.00	158	0.38
Fine Grading/Site Preparation	Graders	0	8.00	187	0.41
Fine Grading/Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Fine Grading/Site Preparation	Scrapers	0	8.00	367	0.48
Fine Grading/Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction/Concrete Pours	Cranes	2	8.00	231	0.29
Building Construction/Concrete Pours	Crawler Tractors	6	8.00	212	0.43
Building Construction/Concrete Pours	Forklifts	6	8.00	89	0.20
Building Construction/Concrete Pours	Generator Sets	2	8.00	84	0.74
Building Construction/Concrete Pours	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction/Concrete Pours	Welders	2	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	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
Fine Grading/Site Preparation	10	25.00	74.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction/Concrete	18	1,079.00	347.00	13,800.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	216.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Fine Grading/Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3590	0.0000	1.3590	0.4659	0.0000	0.4659	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2247	2.5708	0.9229	2.4400e-003		0.1111	0.1111		0.1022	0.1022	0.0000	214.2293	214.2293	0.0693	0.0000	215.9615
Total	**0.2247**	**2.5708**	**0.9229**	**2.4400e-003**	**1.3590**	**0.1111**	**1.4700**	**0.4659**	**0.1022**	**0.5681**	**0.0000**	**214.2293**	**214.2293**	**0.0693**	**0.0000**	**215.9615**

3.2 Fine Grading/Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	9.3000e-004	1.5000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2961	0.2961	2.0000e-005	0.0000	0.2966
Vendor	5.8900e-003	0.2160	0.0439	5.9000e-004	0.0140	3.7000e-004	0.0144	4.0400e-003	3.6000e-004	4.3900e-003	0.0000	56.3799	56.3799	3.8000e-003	0.0000	56.4748
Worker	3.4500e-003	2.6100e-003	0.0267	8.0000e-005	8.2200e-003	5.0000e-005	8.2800e-003	2.1800e-003	5.0000e-005	2.2300e-003	0.0000	6.8243	6.8243	1.9000e-004	0.0000	6.8290
Total	**9.3600e-003**	**0.2195**	**0.0708**	**6.7000e-004**	**0.0223**	**4.2000e-004**	**0.0227**	**6.2400e-003**	**4.1000e-004**	**6.6400e-003**	**0.0000**	**63.5002**	**63.5002**	**4.0100e-003**	**0.0000**	**63.6004**

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					0.3533	0.0000	0.3533	0.1211	0.0000	0.1211	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0598	1.1565	1.2961	2.4400e-003		0.0439	0.0439		0.0439	0.0439	0.0000	214.2291	214.2291	0.0693	0.0000	215.9612
Total	**0.0598**	**1.1565**	**1.2961**	**2.4400e-003**	**0.3533**	**0.0439**	**0.3972**	**0.1211**	**0.0439**	**0.1650**	**0.0000**	**214.2291**	**214.2291**	**0.0693**	**0.0000**	**215.9612**

3.2 Fine Grading/Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	9.3000e-004	1.5000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2961	0.2961	2.0000e-005	0.0000	0.2966
Vendor	5.8900e-003	0.2160	0.0439	5.9000e-004	0.0140	3.7000e-004	0.0144	4.0400e-003	3.6000e-004	4.3900e-003	0.0000	56.3799	56.3799	3.8000e-003	0.0000	56.4748
Worker	3.4500e-003	2.6100e-003	0.0267	8.0000e-005	8.2200e-003	5.0000e-005	8.2800e-003	2.1800e-003	5.0000e-005	2.2300e-003	0.0000	6.8243	6.8243	1.9000e-004	0.0000	6.8290
Total	**9.3600e-003**	**0.2195**	**0.0708**	**6.7000e-004**	**0.0223**	**4.2000e-004**	**0.0227**	**6.2400e-003**	**4.1000e-004**	**6.6400e-003**	**0.0000**	**63.5002**	**63.5002**	**4.0100e-003**	**0.0000**	**63.6004**

3.3 Building Construction/Concrete Pours - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0934	1.0190	0.5459	1.2900e-003		0.0443	0.0443		0.0413	0.0413	0.0000	111.9764	111.9764	0.0305	0.0000	112.7391
Total	**0.0934**	**1.0190**	**0.5459**	**1.2900e-003**		**0.0443**	**0.0443**		**0.0413**	**0.0413**	**0.0000**	**111.9764**	**111.9764**	**0.0305**	**0.0000**	**112.7391**

3.3 Building Construction/Concrete Pours - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4800e-003	0.1727	0.0278	5.7000e-004	0.0924	4.8000e-004	0.0929	0.0231	4.6000e-004	0.0235	0.0000	54.7337	54.7337	3.0800e-003	0.0000	54.8107
Vendor	0.0138	0.5064	0.1030	1.3800e-003	0.0328	8.7000e-004	0.0337	9.4700e-003	8.3000e-004	0.0103	0.0000	132.1879	132.1879	8.9100e-003	0.0000	132.4106
Worker	0.0745	0.0563	0.5767	1.6300e-003	0.1775	1.1600e-003	0.1786	0.0471	1.0700e-003	0.0482	0.0000	147.2674	147.2674	4.1200e-003	0.0000	147.3704
Total	**0.0928**	**0.7354**	**0.7075**	**3.5800e-003**	**0.3027**	**2.5100e-003**	**0.3052**	**0.0797**	**2.3600e-003**	**0.0820**	**0.0000**	**334.1890**	**334.1890**	**0.0161**	**0.0000**	**334.5917**

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	0.0321	0.6362	0.7395	1.2900e-003		0.0307	0.0307		0.0307	0.0307	0.0000	111.9763	111.9763	0.0305	0.0000	112.7389
Total	**0.0321**	**0.6362**	**0.7395**	**1.2900e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**111.9763**	**111.9763**	**0.0305**	**0.0000**	**112.7389**

3.3 Building Construction/Concrete Pours - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4800e-003	0.1727	0.0278	5.7000e-004	0.0924	4.8000e-004	0.0929	0.0231	4.6000e-004	0.0235	0.0000	54.7337	54.7337	3.0800e-003	0.0000	54.8107
Vendor	0.0138	0.5064	0.1030	1.3800e-003	0.0328	8.7000e-004	0.0337	9.4700e-003	8.3000e-004	0.0103	0.0000	132.1879	132.1879	8.9100e-003	0.0000	132.4106
Worker	0.0745	0.0563	0.5767	1.6300e-003	0.1775	1.1600e-003	0.1786	0.0471	1.0700e-003	0.0482	0.0000	147.2674	147.2674	4.1200e-003	0.0000	147.3704
Total	**0.0928**	**0.7354**	**0.7075**	**3.5800e-003**	**0.3027**	**2.5100e-003**	**0.3052**	**0.0797**	**2.3600e-003**	**0.0820**	**0.0000**	**334.1890**	**334.1890**	**0.0161**	**0.0000**	**334.5917**

3.3 Building Construction/Concrete Pours - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6991	7.4409	4.4175	0.0108		0.3186	0.3186		0.2973	0.2973	0.0000	932.2530	932.2530	0.2529	0.0000	938.5764
Total	**0.6991**	**7.4409**	**4.4175**	**0.0108**		**0.3186**	**0.3186**		**0.2973**	**0.2973**	**0.0000**	**932.2530**	**932.2530**	**0.2529**	**0.0000**	**938.5764**

3.3 Building Construction/Concrete Pours - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0353	1.3170	0.2240	4.6800e-003	0.1156	3.3100e-003	0.1189	0.0315	3.1700e-003	0.0346	0.0000	450.9928	450.9928	0.0251	0.0000	451.6190
Vendor	0.1072	3.9966	0.7950	0.0114	0.2735	6.1000e-003	0.2796	0.0789	5.8300e-003	0.0848	0.0000	1,092.5921	1,092.5921	0.0717	0.0000	1,094.3842
Worker	0.5805	0.4218	4.4072	0.0131	1.4789	9.3600e-003	1.4882	0.3928	8.6200e-003	0.4014	0.0000	1,183.0075	1,183.0075	0.0308	0.0000	1,183.7778
Total	**0.7229**	**5.7354**	**5.4261**	**0.0292**	**1.8679**	**0.0188**	**1.8867**	**0.5032**	**0.0176**	**0.5208**	**0.0000**	**2,726.5925**	**2,726.5925**	**0.1275**	**0.0000**	**2,729.7810**

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	0.2678	5.3015	6.1626	0.0108		0.2555	0.2555		0.2555	0.2555	0.0000	932.2519	932.2519	0.2529	0.0000	938.5753
Total	**0.2678**	**5.3015**	**6.1626**	**0.0108**		**0.2555**	**0.2555**		**0.2555**	**0.2555**	**0.0000**	**932.2519**	**932.2519**	**0.2529**	**0.0000**	**938.5753**

3.3 Building Construction/Concrete Pours - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0353	1.3170	0.2240	4.6800e-003	0.1156	3.3100e-003	0.1189	0.0315	3.1700e-003	0.0346	0.0000	450.9928	450.9928	0.0251	0.0000	451.6190
Vendor	0.1072	3.9966	0.7950	0.0114	0.2735	6.1000e-003	0.2796	0.0789	5.8300e-003	0.0848	0.0000	1,092.5921	1,092.5921	0.0717	0.0000	1,094.3842
Worker	0.5805	0.4218	4.4072	0.0131	1.4789	9.3600e-003	1.4882	0.3928	8.6200e-003	0.4014	0.0000	1,183.0075	1,183.0075	0.0308	0.0000	1,183.7778
Total	**0.7229**	**5.7354**	**5.4261**	**0.0292**	**1.8679**	**0.0188**	**1.8867**	**0.5032**	**0.0176**	**0.5208**	**0.0000**	**2,726.5925**	**2,726.5925**	**0.1275**	**0.0000**	**2,729.7810**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.9253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.1409	0.1814	3.0000e-004		8.1700e-003	8.1700e-003		8.1700e-003	8.1700e-003	0.0000	25.5325	25.5325	1.6600e-003	0.0000	25.5741
Total	**3.9458**	**0.1409**	**0.1814**	**3.0000e-004**		**8.1700e-003**	**8.1700e-003**		**8.1700e-003**	**8.1700e-003**	**0.0000**	**25.5325**	**25.5325**	**1.6600e-003**	**0.0000**	**25.5741**

3.4 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0697	0.0507	0.5294	1.5700e-003	0.1776	1.1200e-003	0.1788	0.0472	1.0400e-003	0.0482	0.0000	142.0925	142.0925	3.7000e-003	0.0000	142.1850
Total	**0.0697**	**0.0507**	**0.5294**	**1.5700e-003**	**0.1776**	**1.1200e-003**	**0.1788**	**0.0472**	**1.0400e-003**	**0.0482**	**0.0000**	**142.0925**	**142.0925**	**3.7000e-003**	**0.0000**	**142.1850**

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	3.9253					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9400e-003	0.1357	0.1832	3.0000e-004		9.5100e-003	9.5100e-003		9.5100e-003	9.5100e-003	0.0000	25.5325	25.5325	1.6600e-003	0.0000	25.5741
Total	**3.9313**	**0.1357**	**0.1832**	**3.0000e-004**		**9.5100e-003**	**9.5100e-003**		**9.5100e-003**	**9.5100e-003**	**0.0000**	**25.5325**	**25.5325**	**1.6600e-003**	**0.0000**	**25.5741**

3.4 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0697	0.0507	0.5294	1.5700e-003	0.1776	1.1200e-003	0.1788	0.0472	1.0400e-003	0.0482	0.0000	142.0925	142.0925	3.7000e-003	0.0000	142.1850
Total	**0.0697**	**0.0507**	**0.5294**	**1.5700e-003**	**0.1776**	**1.1200e-003**	**0.1788**	**0.0472**	**1.0400e-003**	**0.0482**	**0.0000**	**142.0925**	**142.0925**	**3.7000e-003**	**0.0000**	**142.1850**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Unrefrigerated Warehouse-No Rail	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.8475	3.0000e-004	0.0329	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0638	0.0638	1.7000e-004	0.0000	0.0680
Unmitigated	3.8475	3.0000e-004	0.0329	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0638	0.0638	1.7000e-004	0.0000	0.0680

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	0.4453					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0500e-003	3.0000e-004	0.0329	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0638	0.0638	1.7000e-004	0.0000	0.0680
Total	**3.8475**	**3.0000e-004**	**0.0329**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.0638**	**0.0638**	**1.7000e-004**	**0.0000**	**0.0680**

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	0.4453					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.3991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0500e-003	3.0000e-004	0.0329	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0638	0.0638	1.7000e-004	0.0000	0.0680
Total	**3.8475**	**3.0000e-004**	**0.0329**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.0638**	**0.0638**	**1.7000e-004**	**0.0000**	**0.0680**

7.0 Water Detail

7.1 Mitigation Measures Water

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

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

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APPENDIX 3.2:

CALEEMOD PROJECT OPERATIONAL EMISSIONS MODEL OUTPUTS

Agua Mansa Commerce Center (Building 1 Operations)

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	454.54	1000sqft	10.43	454,543.00	0
User Defined Industrial	454.54	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	1,070.14	1000sqft	24.57	1,070,142.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provider. As such, SCE was used and the intensity factor adjusted to reflect the RPS 2022

Land Use - Total Building 1 Area is 35 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - Energy use adjusted to reflect information provided by the Project team

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

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	50.00	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	T24E	1.06	30.11
tblEnergyUse	T24NG	3.25	2.8600e-003
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.54
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00

tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.26
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.08
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblLandUse	LandUseSquareFeet	454,540.00	454,543.00
tblLandUse	LandUseSquareFeet	1,070,140.00	1,070,142.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG

tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03

tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
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tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03

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tblVehicleEF	HHD	2.36	3.23
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
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tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
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tblVehicleEF	HHD	1.1700e-004	7.0000e-006

tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
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tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004

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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003

tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11

tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14

tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04

tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00

tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33

tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003

tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003

tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17

tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003

tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005

tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25

tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07

tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06

tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78

tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28

tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18

tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44

tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003

tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00

tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.32	0.74
tblVehicleEF	MHD	156.91	68.92
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.35
tblVehicleEF	MHD	0.60	0.52
tblVehicleEF	MHD	0.99	1.61
tblVehicleEF	MHD	11.88	1.50
tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005

tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52

tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003

tblVehicleEF	MHD	0.05	6.4200e-003
tblVehicleEF	MHD	0.45	0.37
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	5.23	0.74
tblVehicleEF	MHD	144.06	68.00
tblVehicleEF	MHD	1,101.52	974.57
tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59
tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004

tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.27	2.45
tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05

tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
tblVehicleEF	OBUS	70.70	20.20
tblVehicleEF	OBUS	0.29	0.34
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004

tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77

tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003

tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82
tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004

tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56

tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003

tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04

tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01

tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003

tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.06
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.03
tblVehicleTrips	WD_TR	1.68	1.38
tblVehicleTrips	WD_TR	0.00	0.75

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	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					
2021	0.0000	0.0000	0.0000	0.0000	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)
		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	1.9396	2.3000e-004	0.0253	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0491	0.0491	1.3000e-004	0.0000	0.0524
Energy	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3,695.5656	3,695.5656	0.1552	0.0310	3,708.6959
Mobile	0.5670	10.5236	5.4301	0.0484	2.2987	0.0956	2.3943	0.6341	0.0913	0.7253	0.0000	4,780.3054	4,780.3054	0.2983	0.0000	4,787.7638
Offroad	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Waste						0.0000	0.0000		0.0000	0.0000	86.7320	0.0000	86.7320	5.1257	0.0000	214.8747
Water						0.0000	0.0000		0.0000	0.0000	33.3473	369.5602	402.9075	3.4406	0.0840	513.9481
Total	**2.5511**	**10.9866**	**5.7323**	**0.0496**	**2.2987**	**0.1116**	**2.4103**	**0.6341**	**0.1061**	**0.7401**	**120.0793**	**8,947.0647**	**9,067.1439**	**9.0528**	**0.1150**	**9,327.7406**

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	1.9396	2.3000e-004	0.0253	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0491	0.0491	1.3000e-004	0.0000	0.0524
Energy	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3,695.5656	3,695.5656	0.1552	0.0310	3,708.6959
Mobile	0.5670	10.5236	5.4301	0.0484	2.2987	0.0956	2.3943	0.6341	0.0913	0.7253	0.0000	4,780.3054	4,780.3054	0.2983	0.0000	4,787.7638
Offroad	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Waste						0.0000	0.0000		0.0000	0.0000	86.7320	0.0000	86.7320	5.1257	0.0000	214.8747
Water						0.0000	0.0000		0.0000	0.0000	33.3473	369.5602	402.9075	3.4406	0.0840	513.9481
Total	**2.5511**	**10.9866**	**5.7323**	**0.0496**	**2.2987**	**0.1116**	**2.4103**	**0.6341**	**0.1061**	**0.7401**	**120.0793**	**8,947.0647**	**9,067.1439**	**9.0528**	**0.1150**	**9,327.7406**

	ROG	**NOx**	**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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 24.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5670	10.5236	5.4301	0.0484	2.2987	0.0956	2.3943	0.6341	0.0913	0.7253	0.0000	4,780.3054	4,780.3054	0.2983	0.0000	4,787.7638
Unmitigated	0.5670	10.5236	5.4301	0.0484	2.2987	0.0956	2.3943	0.6341	0.0913	0.7253	0.0000	4,780.3054	4,780.3054	0.2983	0.0000	4,787.7638

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	627.99	54.14	21.64	1,968,818	1,968,818
User Defined Industrial	340.00	29.32	11.73	3,621,331	3,621,331
Total	967.99	83.45	33.36	5,590,149	5,590,149

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.263800	0.083200	0.111800	0.541200	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	3,695.4962	3,695.4962	0.1552	0.0310	3,708.6261
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,695.4962	3,695.4962	0.1552	0.0310	3,708.6261
NaturalGas Mitigated	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0694	0.0694	0.0000	0.0000	0.0698
NaturalGas Unmitigated	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0694	0.0694	0.0000	0.0000	0.0698

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1299.99	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0694	0.0694	0.0000	0.0000	0.0698
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.0000e-005**	**6.0000e-005**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0694**	**0.0694**	**0.0000**	**0.0000**	**0.0698**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1299.99	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0694	0.0694	0.0000	0.0000	0.0698
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.0000e-005**	**6.0000e-005**	**5.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0694**	**0.0694**	**0.0000**	**0.0000**	**0.0698**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.36863e+007	3,695.4962	0.1552	0.0310	3,708.6261
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**3,695.4962**	**0.1552**	**0.0310**	**3,708.6261**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.36863e+007	3,695.4962	0.1552	0.0310	3,708.6261
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**3,695.4962**	**0.1552**	**0.0310**	**3,708.6261**

6.0 Area Detail

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	1.9396	2.3000e-004	0.0253	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0491	0.0491	1.3000e-004	0.0000	0.0524
Unmitigated	1.9396	2.3000e-004	0.0253	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0491	0.0491	1.3000e-004	0.0000	0.0524

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	0.2256					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3500e-003	2.3000e-004	0.0253	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0491	0.0491	1.3000e-004	0.0000	0.0524
Total	**1.9396**	**2.3000e-004**	**0.0253**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**	**0.0000**	**0.0491**	**0.0491**	**1.3000e-004**	**0.0000**	**0.0524**

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	0.2256					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3500e-003	2.3000e-004	0.0253	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0491	0.0491	1.3000e-004	0.0000	0.0524
Total	**1.9396**	**2.3000e-004**	**0.0253**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**	**0.0000**	**0.0491**	**0.0491**	**1.3000e-004**	**0.0000**	**0.0524**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	402.9075	3.4406	0.0840	513.9481
Unmitigated	402.9075	3.4406	0.0840	513.9481

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	105.112 / 0	402.9075	3.4406	0.0840	513.9481
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**402.9075**	**3.4406**	**0.0840**	**513.9481**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	105.112 / 0	402.9075	3.4406	0.0840	513.9481
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**402.9075**	**3.4406**	**0.0840**	**513.9481**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	86.7320	5.1257	0.0000	214.8747
Unmitigated	86.7320	5.1257	0.0000	214.8747

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	427.27	86.7320	5.1257	0.0000	214.8747
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**86.7320**	**5.1257**	**0.0000**	**214.8747**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	427.27	86.7320	5.1257	0.0000	214.8747
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**86.7320**	**5.1257**	**0.0000**	**214.8747**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/ Backhoes	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Total	**0.0445**	**0.4627**	**0.2769**	**1.1600e-003**		**0.0160**	**0.0160**		**0.0147**	**0.0147**	**0.0000**	**101.5843**	**101.5843**	**0.0329**	**0.0000**	**102.4057**

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

Agua Mansa Commerce Center (Building 2 Operations)

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	114.11	1000sqft	2.62	114,111.00	0
User Defined Industrial	114.11	User Defined Unit	0.00	0.00	0
Other Non-Asphalt Surfaces	588.91	1000sqft	13.52	588,910.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provider. As such, SCE was used and the intensity factors adjusted to reflect the RPS 2022

Land Use - Total Building 2 Area (without High-Cube Fulfillment) is 16.14 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Area Coating -

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

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

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	2.37	1.66
tblEnergyUse	T24E	1.06	0.74
tblEnergyUse	T24NG	3.25	2.28
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.53
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20

tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.27
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.08
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.12
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00

tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	107.26	107.16
tblVehicleEF	HHD	1.21	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	26.50	6.08
tblVehicleEF	HHD	2.50	3.42
tblVehicleEF	HHD	20.21	2.10
tblVehicleEF	HHD	9.7780e-003	3.6280e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006

tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.84	0.43
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.1910e-003	1.6000e-004
tblVehicleEF	HHD	0.97	0.50
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.14	0.03
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	2.39	5.82
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.70	3.5770e-003
tblVehicleEF	HHD	7,345.18	1,121.04
tblVehicleEF	HHD	1,475.79	1,484.27
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	27.35	5.90
tblVehicleEF	HHD	2.36	3.23

tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	8.2750e-003	3.1750e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	7.9170e-003	3.0380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.79	0.45
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	2.2100e-004	8.1200e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.4000e-005	0.00
tblVehicleEF	HHD	1.6800e-004	1.0000e-005
tblVehicleEF	HHD	3.5970e-003	1.8200e-004
tblVehicleEF	HHD	0.91	0.52
tblVehicleEF	HHD	1.1700e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.23
tblVehicleEF	HHD	2.2100e-004	8.1200e-004

tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.31	0.02
tblVehicleEF	HHD	0.04	3.3680e-003
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	4.53	5.98
tblVehicleEF	HHD	0.57	0.33
tblVehicleEF	HHD	1.79	3.7590e-003
tblVehicleEF	HHD	6,364.76	1,097.48
tblVehicleEF	HHD	1,475.79	1,393.36
tblVehicleEF	HHD	5.54	0.03
tblVehicleEF	HHD	25.32	6.13
tblVehicleEF	HHD	2.46	3.28
tblVehicleEF	HHD	20.20	2.10
tblVehicleEF	HHD	0.01	3.8650e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.6980e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	0.91	0.40
tblVehicleEF	HHD	5.2000e-005	3.0000e-006

tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.05	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
tblVehicleEF	HHD	3.4760e-003	1.8700e-004
tblVehicleEF	HHD	1.05	0.46
tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	2.3300e-004	8.2900e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	LDA	4.2030e-003	2.5110e-003
tblVehicleEF	LDA	5.6230e-003	0.05
tblVehicleEF	LDA	0.57	0.67
tblVehicleEF	LDA	1.19	2.11
tblVehicleEF	LDA	251.29	265.15
tblVehicleEF	LDA	57.15	54.12
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10

tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.5370e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.5170e-003	2.6060e-003
tblVehicleEF	LDA	5.9200e-004	5.3200e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	4.7900e-003	2.8350e-003
tblVehicleEF	LDA	4.6890e-003	0.04
tblVehicleEF	LDA	0.71	0.81
tblVehicleEF	LDA	0.99	1.78
tblVehicleEF	LDA	274.94	287.11
tblVehicleEF	LDA	57.15	53.48
tblVehicleEF	LDA	0.05	0.03
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7550e-003	2.8220e-003
tblVehicleEF	LDA	5.8800e-004	5.2600e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.0860e-003	2.4590e-003
tblVehicleEF	LDA	5.5870e-003	0.05
tblVehicleEF	LDA	0.54	0.64
tblVehicleEF	LDA	1.18	2.12
tblVehicleEF	LDA	245.70	261.06
tblVehicleEF	LDA	57.15	54.13
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003

tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86

tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36

tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003

tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004

tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003
tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18

tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07
tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16

tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004

tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
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tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
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tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004

tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004

tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10

tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
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tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
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tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91

tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
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tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62

tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
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tblVehicleEF	MCY	1.71	1.57
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tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003

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tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98
tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004

tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21

tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18

tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.07	0.35
tblVehicleEF	MH	6.43	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.54	4.24
tblVehicleEF	MH	0.91	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
tblVehicleEF	MH	1.47	0.00

tblVehicleEF	MH	0.09	0.00
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tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
tblVehicleEF	MH	1,045.05	970.21
tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.41	4.00
tblVehicleEF	MH	0.86	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	6.9700e-004	0.00

tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.38	0.00
tblVehicleEF	MH	0.04	3.6580e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
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tblVehicleEF	MH	59.49	0.00
tblVehicleEF	MH	1.51	4.17
tblVehicleEF	MH	0.89	0.00
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tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.75	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	0.53	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003

tblVehicleEF	MH	7.0600e-004	0.00
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tblVehicleEF	MH	0.11	0.00
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tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
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tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
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tblVehicleEF	MHD	1,101.52	974.57
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tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01

tblVehicleEF	MHD	0.02	0.02
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tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
tblVehicleEF	MHD	0.24	0.26
tblVehicleEF	MHD	0.28	0.33
tblVehicleEF	MHD	4.97	0.70
tblVehicleEF	MHD	166.20	69.59
tblVehicleEF	MHD	1,101.52	974.58
tblVehicleEF	MHD	52.43	6.28
tblVehicleEF	MHD	0.62	0.52
tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49

tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
tblVehicleEF	MHD	3.5220e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4200e-003
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tblVehicleEF	MHD	5.23	0.74
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tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02

tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
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tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	70.70	20.49
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tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05

tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
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tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004

tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
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tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
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tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
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tblVehicleEF	OBUS	0.05	0.29
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tblVehicleEF	SBUS	0.01	3.1850e-003
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tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40

tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75
tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003

tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07

tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003

tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.07
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.03
tblVehicleTrips	WD_TR	1.68	1.39
tblVehicleTrips	WD_TR	0.00	0.75
tblWater	IndoorWaterUseRate	26,387,937.50	26,362,500.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	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					
2021	0.0000	0.0000	0.0000	0.0000	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)
		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	0.5125	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0203	0.0203	5.0000e-005	0.0000	0.0216
Energy	0.0313	0.2841	0.2387	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	1,508.4688	1,508.4688	0.0563	0.0157	1,514.5673
Mobile	0.1431	2.6511	1.3691	0.0122	0.5812	0.0242	0.6054	0.1604	0.0231	0.1835	0.0000	1,205.9015	1,205.9015	0.0747	0.0000	1,207.7701
Offroad	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Waste						0.0000	0.0000		0.0000	0.0000	21.7525	0.0000	21.7525	1.2855	0.0000	53.8909
Water						0.0000	0.0000		0.0000	0.0000	8.3636	92.6868	101.0504	0.8629	0.0211	128.8997
Total	**0.7313**	**3.3980**	**1.8951**	**0.0151**	**0.5812**	**0.0618**	**0.6430**	**0.1604**	**0.0594**	**0.2198**	**30.1161**	**2,908.6617**	**2,938.7778**	**2.3124**	**0.0368**	**3,007.5554**

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	0.5125	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0203	0.0203	5.0000e-005	0.0000	0.0216
Energy	0.0313	0.2841	0.2387	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	1,508.4688	1,508.4688	0.0563	0.0157	1,514.5673
Mobile	0.1431	2.6511	1.3691	0.0122	0.5812	0.0242	0.6054	0.1604	0.0231	0.1835	0.0000	1,205.9015	1,205.9015	0.0747	0.0000	1,207.7701
Offroad	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Waste						0.0000	0.0000		0.0000	0.0000	21.7525	0.0000	21.7525	1.2855	0.0000	53.8909
Water						0.0000	0.0000		0.0000	0.0000	8.3636	92.6868	101.0504	0.8629	0.0211	128.8997
Total	**0.7313**	**3.3980**	**1.8951**	**0.0151**	**0.5812**	**0.0618**	**0.6430**	**0.1604**	**0.0594**	**0.2198**	**30.1161**	**2,908.6617**	**2,938.7778**	**2.3124**	**0.0368**	**3,007.5554**

	ROG	NOx	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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 13.52

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1431	2.6511	1.3691	0.0122	0.5812	0.0242	0.6054	0.1604	0.0231	0.1835	0.0000	1,205.9015	1,205.9015	0.0747	0.0000	1,207.7701
Unmitigated	0.1431	2.6511	1.3691	0.0122	0.5812	0.0242	0.6054	0.1604	0.0231	0.1835	0.0000	1,205.9015	1,205.9015	0.0747	0.0000	1,207.7701

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	158.16	13.64	5.45	495,845	495,845
User Defined Industrial	86.09	7.42	2.97	916,886	916,886
Total	244.24	21.05	8.42	1,412,732	1,412,732

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Refrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.265100	0.083700	0.116300	0.534900	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	1,199.1883	1,199.1883	0.0504	0.0101	1,203.4489
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,199.1883	1,199.1883	0.0504	0.0101	1,203.4489
NaturalGas Mitigated	0.0313	0.2841	0.2387	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	309.2805	309.2805	5.9300e-003	5.6700e-003	311.1184
NaturalGas Unmitigated	0.0313	0.2841	0.2387	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	309.2805	309.2805	5.9300e-003	5.6700e-003	311.1184

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	5.7957e+006	0.0313	0.2841	0.2387	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	309.2805	309.2805	5.9300e-003	5.6700e-003	311.1184
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0313**	**0.2841**	**0.2387**	**1.7000e-003**		**0.0216**	**0.0216**		**0.0216**	**0.0216**	**0.0000**	**309.2805**	**309.2805**	**5.9300e-003**	**5.6700e-003**	**311.1184**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	5.7957e+006	0.0313	0.2841	0.2387	1.7000e-003		0.0216	0.0216		0.0216	0.0216	0.0000	309.2805	309.2805	5.9300e-003	5.6700e-003	311.1184
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0313**	**0.2841**	**0.2387**	**1.7000e-003**		**0.0216**	**0.0216**		**0.0216**	**0.0216**	**0.0000**	**309.2805**	**309.2805**	**5.9300e-003**	**5.6700e-003**	**311.1184**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.4412e+006	1,199.1883	0.0504	0.0101	1,203.4489
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**1,199.1883**	**0.0504**	**0.0101**	**1,203.4489**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.4412e+006	1,199.1883	0.0504	0.0101	1,203.4489
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**1,199.1883**	**0.0504**	**0.0101**	**1,203.4489**

6.0 Area Detail

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	0.5125	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0203	0.0203	5.0000e-005	0.0000	0.0216
Unmitigated	0.5125	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0203	0.0203	5.0000e-005	0.0000	0.0216

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	0.0611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4504					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0203	0.0203	5.0000e-005	0.0000	0.0216
Total	**0.5125**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0203**	**0.0203**	**5.0000e-005**	**0.0000**	**0.0216**

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	0.0611					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4504					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0203	0.0203	5.0000e-005	0.0000	0.0216
Total	**0.5125**	**1.0000e-004**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0203**	**0.0203**	**5.0000e-005**	**0.0000**	**0.0216**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	101.0504	0.8629	0.0211	128.8997
Unmitigated	101.0504	0.8629	0.0211	128.8997

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	26.3625 / 0	101.0504	0.8629	0.0211	128.8997
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**101.0504**	**0.8629**	**0.0211**	**128.8997**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	26.3625 / 0	101.0504	0.8629	0.0211	128.8997
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**101.0504**	**0.8629**	**0.0211**	**128.8997**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	21.7525	1.2855	0.0000	53.8909
Unmitigated	21.7525	1.2855	0.0000	53.8909

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	107.16	21.7525	1.2855	0.0000	53.8909
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**21.7525**	**1.2855**	**0.0000**	**53.8909**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	107.16	21.7525	1.2855	0.0000	53.8909
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**21.7525**	**1.2855**	**0.0000**	**53.8909**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/ Backhoes	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Total	**0.0445**	**0.4627**	**0.2769**	**1.1600e-003**		**0.0160**	**0.0160**		**0.0147**	**0.0147**	**0.0000**	**101.5843**	**101.5843**	**0.0329**	**0.0000**	**102.4057**

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

Agua Mansa Commerce Center (Building 2 Operations)

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	342.00	1000sqft	7.86	342,000.00	0
User Defined Industrial	342.00	User Defined Unit	0.00	0.00	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)	595.28	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod does not provide the option to select City of Colton Electric Utility as a utility provided. As such, SCE was used and the intensity factors adjusted to the reflect the RPS 2022

Land Use - Total Building 2 Area (High-Cube Fulfillment ONLY) is 7.86 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Project characteristics based on information provided in the Traffic Analysis

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	1.17	0.82
tblEnergyUse	T24E	0.37	0.26
tblEnergyUse	T24NG	2.00	1.40
tblFleetMix	HHD	0.06	0.00
tblFleetMix	HHD	0.06	0.79
tblFleetMix	LDA	0.55	0.62
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00

tblFleetMix	LHD1	0.02	0.08
tblFleetMix	LHD2	5.1010e-003	0.00
tblFleetMix	LHD2	5.1010e-003	0.03
tblFleetMix	MCY	5.9030e-003	6.6000e-003
tblFleetMix	MCY	5.9030e-003	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MH	9.4400e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.11
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	OBUS	1.3570e-003	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	SBUS	8.0800e-004	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblFleetMix	UBUS	1.5650e-003	0.00
tblLandUse	LotAcreage	7.85	7.86
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	702.44	595.28
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
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tblVehicleEF	HHD	3.29	5.95
tblVehicleEF	HHD	0.57	0.67
tblVehicleEF	HHD	1.82	3.7880e-003
tblVehicleEF	HHD	6,933.41	1,124.17
tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	26.50	6.08
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tblVehicleEF	HHD	9.7780e-003	3.6280e-003
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	5.1000e-005	1.0000e-006
tblVehicleEF	HHD	9.3550e-003	3.4710e-003
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
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tblVehicleEF	HHD	0.07	0.01

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.6000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
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tblVehicleEF	HHD	2.1700e-004	7.9100e-004
tblVehicleEF	HHD	0.06	1.0000e-006
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tblVehicleEF	HHD	1,475.79	1,484.27
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	HHD	8.8810e-003	8.8310e-003
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tblVehicleEF	HHD	2.2100e-004	8.1200e-004
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tblVehicleEF	HHD	8.8810e-003	8.6000e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	8.5000e-005	5.0000e-006
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.07
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tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.5000e-005	0.00
tblVehicleEF	HHD	8.5000e-005	5.0000e-006

tblVehicleEF	HHD	3.4760e-003	1.8700e-004
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tblVehicleEF	HHD	5.2000e-005	3.0000e-006
tblVehicleEF	HHD	0.13	0.08
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.08	0.24
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tblVehicleEF	LDA	4.6890e-003	0.04
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tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.12	0.11

tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.07	0.21
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tblVehicleEF	LDA	0.08	0.18
tblVehicleEF	LDA	1.6780e-003	1.5210e-003
tblVehicleEF	LDA	2.2790e-003	1.8570e-003
tblVehicleEF	LDA	1.5460e-003	1.4000e-003
tblVehicleEF	LDA	2.0960e-003	1.7080e-003
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	9.3400e-003
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	2.4600e-003	2.5660e-003
tblVehicleEF	LDA	5.9100e-004	5.3200e-004
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.5760e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.54	1.52
tblVehicleEF	LDT1	3.61	2.39
tblVehicleEF	LDT1	313.68	314.63
tblVehicleEF	LDT1	70.93	65.70
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.22	0.30
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.26	0.42
tblVehicleEF	LDT1	3.1570e-003	3.0930e-003
tblVehicleEF	LDT1	7.7300e-004	6.4600e-004
tblVehicleEF	LDT1	0.18	0.19
tblVehicleEF	LDT1	0.33	0.26
tblVehicleEF	LDT1	0.13	0.14
tblVehicleEF	LDT1	0.05	0.05

tblVehicleEF	LDT1	0.20	0.86
tblVehicleEF	LDT1	0.28	0.47
tblVehicleEF	LDT1	0.02	8.4640e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.85	1.81
tblVehicleEF	LDT1	2.97	2.00
tblVehicleEF	LDT1	341.75	337.48
tblVehicleEF	LDT1	70.93	64.87
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.85
tblVehicleEF	LDT1	0.21	0.36
tblVehicleEF	LDT1	3.4420e-003	3.3180e-003
tblVehicleEF	LDT1	7.6200e-004	6.3800e-004
tblVehicleEF	LDT1	0.37	0.36
tblVehicleEF	LDT1	0.41	0.31
tblVehicleEF	LDT1	0.27	0.26
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.85

tblVehicleEF	LDT1	0.23	0.40
tblVehicleEF	LDT1	0.01	7.4310e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.47	1.47
tblVehicleEF	LDT1	3.55	2.39
tblVehicleEF	LDT1	307.06	310.38
tblVehicleEF	LDT1	70.93	65.71
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.21	0.29
tblVehicleEF	LDT1	2.7050e-003	2.3430e-003
tblVehicleEF	LDT1	3.6920e-003	2.8390e-003
tblVehicleEF	LDT1	2.4910e-003	2.1560e-003
tblVehicleEF	LDT1	3.3960e-003	2.6100e-003
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.25	0.43
tblVehicleEF	LDT1	3.0890e-003	3.0520e-003
tblVehicleEF	LDT1	7.7200e-004	6.4600e-004
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.39	0.30
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	1.00
tblVehicleEF	LDT1	0.28	0.47

tblVehicleEF	LDT2	6.3270e-003	4.4090e-003
tblVehicleEF	LDT2	8.1990e-003	0.07
tblVehicleEF	LDT2	0.80	1.00
tblVehicleEF	LDT2	1.67	2.71
tblVehicleEF	LDT2	351.15	335.59
tblVehicleEF	LDT2	79.39	70.25
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.5180e-003	3.2990e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.12	0.36
tblVehicleEF	LDT2	7.1840e-003	4.9540e-003

tblVehicleEF	LDT2	6.8290e-003	0.06
tblVehicleEF	LDT2	0.97	1.20
tblVehicleEF	LDT2	1.38	2.28
tblVehicleEF	LDT2	383.36	357.71
tblVehicleEF	LDT2	79.39	69.39
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.13	0.28
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.09	0.29
tblVehicleEF	LDT2	3.8420e-003	3.5160e-003
tblVehicleEF	LDT2	8.1700e-004	6.8200e-004
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.15	0.16
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.45
tblVehicleEF	LDT2	0.10	0.31
tblVehicleEF	LDT2	6.1560e-003	4.3220e-003
tblVehicleEF	LDT2	8.1410e-003	0.07

tblVehicleEF	LDT2	0.75	0.96
tblVehicleEF	LDT2	1.64	2.72
tblVehicleEF	LDT2	343.55	331.47
tblVehicleEF	LDT2	79.39	70.27
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.7270e-003	1.6010e-003
tblVehicleEF	LDT2	2.4170e-003	1.9240e-003
tblVehicleEF	LDT2	1.5880e-003	1.4740e-003
tblVehicleEF	LDT2	2.2220e-003	1.7690e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.11	0.33
tblVehicleEF	LDT2	3.4410e-003	3.2580e-003
tblVehicleEF	LDT2	8.2200e-004	6.9100e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.52
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LHD1	5.2170e-003	5.0850e-003
tblVehicleEF	LHD1	0.01	6.1020e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.60	1.03
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.21
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	2.12	1.25
tblVehicleEF	LHD1	0.99	0.32
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5300e-004	1.1100e-004

tblVehicleEF	LHD1	3.7070e-003	3.0390e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8240e-003	1.5810e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.35	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.2170e-003	5.0990e-003
tblVehicleEF	LHD1	0.01	6.2280e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.09	0.76
tblVehicleEF	LHD1	2.43	0.98
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.47
tblVehicleEF	LHD1	30.40	11.12
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	1.98	1.17
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004

tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9770e-003	6.3570e-003
tblVehicleEF	LHD1	3.5000e-004	1.1000e-004
tblVehicleEF	LHD1	7.3080e-003	5.4780e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.1220e-003	3.0450e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.36	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.2170e-003	5.0870e-003
tblVehicleEF	LHD1	0.01	6.1100e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	1.07	0.75
tblVehicleEF	LHD1	2.55	1.02
tblVehicleEF	LHD1	9.23	9.25
tblVehicleEF	LHD1	609.20	652.45
tblVehicleEF	LHD1	30.40	11.20
tblVehicleEF	LHD1	0.09	0.07

tblVehicleEF	LHD1	2.08	1.23
tblVehicleEF	LHD1	0.97	0.31
tblVehicleEF	LHD1	9.6500e-004	8.9000e-004
tblVehicleEF	LHD1	0.01	9.8770e-003
tblVehicleEF	LHD1	0.01	9.8260e-003
tblVehicleEF	LHD1	9.5800e-004	2.6000e-004
tblVehicleEF	LHD1	9.2400e-004	8.5100e-004
tblVehicleEF	LHD1	2.5390e-003	2.4690e-003
tblVehicleEF	LHD1	0.01	9.3750e-003
tblVehicleEF	LHD1	8.8100e-004	2.3900e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.2000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9760e-003	6.3570e-003
tblVehicleEF	LHD1	3.5200e-004	1.1100e-004
tblVehicleEF	LHD1	4.0430e-003	3.1520e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7940e-003	1.6100e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.38	0.60
tblVehicleEF	LHD1	0.29	0.09

tblVehicleEF	LHD2	3.5950e-003	3.6950e-003
tblVehicleEF	LHD2	4.6110e-003	4.1040e-003
tblVehicleEF	LHD2	8.1370e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.20	0.67
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.76
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.49	1.36
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05

tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6700e-004	8.7000e-005
tblVehicleEF	LHD2	1.3070e-003	1.7040e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.0300e-004	9.2000e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.5950e-003	3.7050e-003
tblVehicleEF	LHD2	4.6760e-003	4.1460e-003
tblVehicleEF	LHD2	7.7630e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.13	0.64
tblVehicleEF	LHD2	14.27	14.14
tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.70
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.40	1.28
tblVehicleEF	LHD2	0.50	0.21
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003

tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6500e-004	8.6000e-005
tblVehicleEF	LHD2	2.5220e-003	3.0730e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5220e-003	1.7630e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.09	0.32
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.5950e-003	3.6960e-003
tblVehicleEF	LHD2	4.6180e-003	4.1080e-003
tblVehicleEF	LHD2	8.0640e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.50	0.50
tblVehicleEF	LHD2	1.19	0.67
tblVehicleEF	LHD2	14.27	14.14

tblVehicleEF	LHD2	608.52	665.25
tblVehicleEF	LHD2	24.46	8.75
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.46	1.33
tblVehicleEF	LHD2	0.52	0.22
tblVehicleEF	LHD2	1.2830e-003	1.3100e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	1.3700e-004
tblVehicleEF	LHD2	1.2280e-003	1.2540e-003
tblVehicleEF	LHD2	2.6860e-003	2.6560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3900e-004	1.3500e-004
tblVehicleEF	LHD2	5.9200e-003	6.4300e-003
tblVehicleEF	LHD2	2.6600e-004	8.7000e-005
tblVehicleEF	LHD2	1.3460e-003	1.7140e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8700e-004	9.2200e-004

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.10	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	20.55	19.26
tblVehicleEF	MCY	9.93	8.60
tblVehicleEF	MCY	167.73	212.03
tblVehicleEF	MCY	46.45	60.73
tblVehicleEF	MCY	1.16	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.23	2.33
tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.16	1.84
tblVehicleEF	MCY	2.0770e-003	2.0980e-003
tblVehicleEF	MCY	6.9000e-004	6.0100e-004
tblVehicleEF	MCY	1.45	1.42
tblVehicleEF	MCY	0.84	0.80
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	2.74	2.87

tblVehicleEF	MCY	0.49	1.91
tblVehicleEF	MCY	2.35	2.01
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.14	0.21
tblVehicleEF	MCY	20.68	19.28
tblVehicleEF	MCY	9.05	7.90
tblVehicleEF	MCY	167.73	211.90
tblVehicleEF	MCY	46.45	58.88
tblVehicleEF	MCY	0.99	0.97
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.17	2.28
tblVehicleEF	MCY	0.49	1.88
tblVehicleEF	MCY	1.86	1.62
tblVehicleEF	MCY	2.0770e-003	2.0970e-003
tblVehicleEF	MCY	6.6700e-004	5.8300e-004
tblVehicleEF	MCY	3.14	2.77
tblVehicleEF	MCY	1.27	1.11
tblVehicleEF	MCY	2.13	1.77
tblVehicleEF	MCY	2.67	2.81
tblVehicleEF	MCY	0.49	1.88

tblVehicleEF	MCY	2.02	1.76
tblVehicleEF	MCY	0.42	0.34
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.63	18.76
tblVehicleEF	MCY	9.55	8.44
tblVehicleEF	MCY	167.73	211.17
tblVehicleEF	MCY	46.45	60.38
tblVehicleEF	MCY	1.12	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	1.8610e-003	1.9650e-003
tblVehicleEF	MCY	3.6730e-003	2.9600e-003
tblVehicleEF	MCY	1.7420e-003	1.8380e-003
tblVehicleEF	MCY	3.4650e-003	2.7870e-003
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.19	2.31
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.08	1.81
tblVehicleEF	MCY	2.0610e-003	2.0900e-003
tblVehicleEF	MCY	6.8200e-004	5.9800e-004
tblVehicleEF	MCY	1.71	1.57
tblVehicleEF	MCY	1.13	1.06
tblVehicleEF	MCY	0.72	0.74
tblVehicleEF	MCY	2.69	2.84
tblVehicleEF	MCY	0.56	2.18
tblVehicleEF	MCY	2.27	1.98

tblVehicleEF	MDV	0.01	5.5200e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.35	1.14
tblVehicleEF	MDV	3.25	3.25
tblVehicleEF	MDV	483.94	415.10
tblVehicleEF	MDV	107.92	87.32
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.8500e-003	4.0780e-003
tblVehicleEF	MDV	1.1370e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.28	0.48
tblVehicleEF	MDV	0.01	6.2110e-003

tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.64	1.35
tblVehicleEF	MDV	2.69	2.72
tblVehicleEF	MDV	526.85	438.45
tblVehicleEF	MDV	107.92	86.27
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.30	0.35
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.21	0.38
tblVehicleEF	MDV	5.2830e-003	4.3080e-003
tblVehicleEF	MDV	1.1260e-003	8.4800e-004
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.23	0.19
tblVehicleEF	MDV	0.17	0.19
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.49
tblVehicleEF	MDV	0.23	0.41
tblVehicleEF	MDV	0.01	5.4050e-003
tblVehicleEF	MDV	0.02	0.09

tblVehicleEF	MDV	1.28	1.09
tblVehicleEF	MDV	3.20	3.26
tblVehicleEF	MDV	473.93	410.75
tblVehicleEF	MDV	107.92	87.35
tblVehicleEF	MDV	0.16	0.10
tblVehicleEF	MDV	0.32	0.38
tblVehicleEF	MDV	1.8260e-003	1.6850e-003
tblVehicleEF	MDV	2.5170e-003	2.0310e-003
tblVehicleEF	MDV	1.6830e-003	1.5540e-003
tblVehicleEF	MDV	2.3150e-003	1.8680e-003
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.25	0.44
tblVehicleEF	MDV	4.7490e-003	4.0360e-003
tblVehicleEF	MDV	1.1360e-003	8.5900e-004
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.22	0.18
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.57
tblVehicleEF	MDV	0.27	0.48
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tblVehicleEF	MH	3.07	0.35

tblVehicleEF	MH	6.43	0.00
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	1.47	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.10	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.1720e-003
tblVehicleEF	MH	7.0700e-004	0.00
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tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.14	0.09
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.04	3.6580e-003
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tblVehicleEF	MH	3.19	0.35
tblVehicleEF	MH	5.84	0.00
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tblVehicleEF	MH	59.49	0.00
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tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.1740e-003	0.00
tblVehicleEF	MH	3.2230e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.11
tblVehicleEF	MH	1.0790e-003	0.00
tblVehicleEF	MH	2.91	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.21	0.00
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.01	9.1720e-003
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tblVehicleEF	MH	0.11	0.00
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tblVehicleEF	MH	0.15	0.09
tblVehicleEF	MH	0.03	0.00
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tblVehicleEF	MH	0.04	3.6580e-003

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tblVehicleEF	MH	3.08	0.35
tblVehicleEF	MH	6.36	0.00
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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
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tblVehicleEF	MH	0.11	0.00
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tblVehicleEF	MH	0.15	0.09
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tblVehicleEF	MH	0.40	0.00

tblVehicleEF	MHD	0.02	2.5070e-003
tblVehicleEF	MHD	3.5160e-003	3.3210e-003
tblVehicleEF	MHD	0.05	6.4670e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.27	0.32
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tblVehicleEF	MHD	3.8600e-004	1.2310e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.6900e-004	1.1780e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.5080e-003	6.5300e-004
tblVehicleEF	MHD	0.01	9.2620e-003

tblVehicleEF	MHD	6.1700e-004	6.3000e-005
tblVehicleEF	MHD	1.2800e-003	4.5300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.5100e-004	2.4000e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	0.02	2.3860e-003
tblVehicleEF	MHD	3.5800e-003	3.3450e-003
tblVehicleEF	MHD	0.05	6.2100e-003
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tblVehicleEF	MHD	0.28	0.33
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tblVehicleEF	MHD	0.92	1.52
tblVehicleEF	MHD	11.85	1.49
tblVehicleEF	MHD	3.2500e-004	1.0410e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	3.1100e-004	9.9600e-004
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004

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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.30	0.03
tblVehicleEF	MHD	1.5950e-003	6.5900e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1100e-004	6.2000e-005
tblVehicleEF	MHD	2.5300e-003	8.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.5010e-003	4.7800e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.08
tblVehicleEF	MHD	0.33	0.04
tblVehicleEF	MHD	0.02	2.6830e-003
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tblVehicleEF	MHD	144.06	68.00
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tblVehicleEF	MHD	52.43	6.34
tblVehicleEF	MHD	0.57	0.52
tblVehicleEF	MHD	0.97	1.59

tblVehicleEF	MHD	11.87	1.50
tblVehicleEF	MHD	4.7000e-004	1.4940e-003
tblVehicleEF	MHD	5.0030e-003	0.04
tblVehicleEF	MHD	7.6400e-004	7.5000e-005
tblVehicleEF	MHD	4.4900e-004	1.4300e-003
tblVehicleEF	MHD	4.7830e-003	0.03
tblVehicleEF	MHD	7.0300e-004	6.9000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.32	0.03
tblVehicleEF	MHD	1.3860e-003	6.4400e-004
tblVehicleEF	MHD	0.01	9.2620e-003
tblVehicleEF	MHD	6.1600e-004	6.3000e-005
tblVehicleEF	MHD	1.3890e-003	4.7100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	6.4000e-004	2.4400e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	OBUS	0.01	8.8190e-003
tblVehicleEF	OBUS	9.9110e-003	6.5960e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.26	0.52
tblVehicleEF	OBUS	0.63	0.77
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tblVehicleEF	OBUS	70.35	76.06
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.49
tblVehicleEF	OBUS	0.28	0.34
tblVehicleEF	OBUS	0.97	1.24
tblVehicleEF	OBUS	1.93	0.68
tblVehicleEF	OBUS	6.4000e-005	5.8900e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	6.1000e-005	5.6400e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.8400e-004	7.2500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1700e-004	2.0300e-004
tblVehicleEF	OBUS	2.1800e-003	2.6020e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.3100e-004	1.1160e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	OBUS	0.01	8.8750e-003
tblVehicleEF	OBUS	0.01	6.7350e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.51
tblVehicleEF	OBUS	0.65	0.79
tblVehicleEF	OBUS	5.74	2.28
tblVehicleEF	OBUS	73.50	75.90
tblVehicleEF	OBUS	1,121.50	1,406.93
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tblVehicleEF	OBUS	0.29	0.34
tblVehicleEF	OBUS	0.90	1.16
tblVehicleEF	OBUS	1.88	0.67
tblVehicleEF	OBUS	5.4000e-005	5.0100e-004
tblVehicleEF	OBUS	4.6440e-003	0.01
tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	5.1000e-005	4.7900e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003

tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	7.1400e-004	7.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0800e-004	2.0000e-004
tblVehicleEF	OBUS	4.2350e-003	4.6860e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1330e-003	2.2090e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	OBUS	0.01	8.7740e-003
tblVehicleEF	OBUS	9.9380e-003	6.6000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.53
tblVehicleEF	OBUS	0.63	0.77
tblVehicleEF	OBUS	6.22	2.45
tblVehicleEF	OBUS	66.00	76.30
tblVehicleEF	OBUS	1,121.50	1,406.90
tblVehicleEF	OBUS	70.70	20.50
tblVehicleEF	OBUS	0.27	0.35
tblVehicleEF	OBUS	0.96	1.22
tblVehicleEF	OBUS	1.91	0.68
tblVehicleEF	OBUS	7.7000e-005	7.1200e-004
tblVehicleEF	OBUS	4.6440e-003	0.01

tblVehicleEF	OBUS	9.2900e-004	2.1800e-004
tblVehicleEF	OBUS	7.4000e-005	6.8100e-004
tblVehicleEF	OBUS	4.4220e-003	0.01
tblVehicleEF	OBUS	8.5400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.38	0.12
tblVehicleEF	OBUS	6.4200e-004	7.2700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1600e-004	2.0300e-004
tblVehicleEF	OBUS	2.3200e-003	2.7390e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4100e-004	1.1650e-003
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	0.05	0.30
tblVehicleEF	OBUS	0.42	0.13
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5840e-003
tblVehicleEF	SBUS	0.07	6.1570e-003
tblVehicleEF	SBUS	5.71	2.50
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.33	0.82

tblVehicleEF	SBUS	1,258.13	345.06
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.79
tblVehicleEF	SBUS	11.70	3.29
tblVehicleEF	SBUS	4.77	5.20
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	4.3580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	4.1690e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.7000e-005
tblVehicleEF	SBUS	2.9260e-003	1.2420e-003
tblVehicleEF	SBUS	0.02	9.5120e-003
tblVehicleEF	SBUS	0.97	0.40

tblVehicleEF	SBUS	1.3050e-003	5.9000e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	9.3510e-003	0.06
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.7140e-003
tblVehicleEF	SBUS	0.06	5.1550e-003
tblVehicleEF	SBUS	5.56	2.47
tblVehicleEF	SBUS	0.66	0.80
tblVehicleEF	SBUS	3.65	0.60
tblVehicleEF	SBUS	1,322.00	352.98
tblVehicleEF	SBUS	1,136.31	1,112.20
tblVehicleEF	SBUS	37.11	4.41
tblVehicleEF	SBUS	12.08	3.36
tblVehicleEF	SBUS	4.47	4.88
tblVehicleEF	SBUS	14.99	0.90
tblVehicleEF	SBUS	0.01	3.6810e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	9.6490e-003	3.5220e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.67	0.28

tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.3630e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3500e-004	4.4000e-005
tblVehicleEF	SBUS	5.6170e-003	2.2080e-003
tblVehicleEF	SBUS	0.02	9.9850e-003
tblVehicleEF	SBUS	0.97	0.40
tblVehicleEF	SBUS	2.8800e-003	1.1130e-003
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	8.5310e-003	0.06
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.84	0.06
tblVehicleEF	SBUS	0.01	8.5760e-003
tblVehicleEF	SBUS	0.07	6.3440e-003
tblVehicleEF	SBUS	5.91	2.56
tblVehicleEF	SBUS	0.65	0.78
tblVehicleEF	SBUS	5.37	0.86
tblVehicleEF	SBUS	1,169.92	334.13
tblVehicleEF	SBUS	1,136.31	1,112.17
tblVehicleEF	SBUS	37.11	4.85
tblVehicleEF	SBUS	11.19	3.19
tblVehicleEF	SBUS	4.69	5.12
tblVehicleEF	SBUS	15.02	0.91
tblVehicleEF	SBUS	0.01	5.2920e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.1700e-004	4.0000e-005
tblVehicleEF	SBUS	0.01	5.0630e-003
tblVehicleEF	SBUS	2.7560e-003	2.7010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.7500e-004	3.6000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.68	0.28
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.28	0.04
tblVehicleEF	SBUS	0.01	3.1850e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6400e-004	4.8000e-005
tblVehicleEF	SBUS	2.9580e-003	1.2070e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.98	0.40
tblVehicleEF	SBUS	1.2820e-003	6.0100e-004
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.31	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.26	34.75

tblVehicleEF	UBUS	14.34	0.89
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.77
tblVehicleEF	UBUS	5.87	0.38
tblVehicleEF	UBUS	13.57	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.15	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6240e-003	1.1700e-004
tblVehicleEF	UBUS	8.0860e-003	1.6780e-003
tblVehicleEF	UBUS	0.11	9.5390e-003
tblVehicleEF	UBUS	3.9450e-003	7.3700e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.25	0.04

tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	9.2350e-003
tblVehicleEF	UBUS	9.36	34.75
tblVehicleEF	UBUS	11.74	0.76
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.55
tblVehicleEF	UBUS	5.45	0.38
tblVehicleEF	UBUS	13.45	0.13
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.02	0.03
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.5790e-003	1.1400e-004
tblVehicleEF	UBUS	0.02	3.0610e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	9.3320e-003	1.4840e-003

tblVehicleEF	UBUS	2.52	4.54
tblVehicleEF	UBUS	0.02	0.04
tblVehicleEF	UBUS	1.12	0.04
tblVehicleEF	UBUS	1.83	4.45
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	9.27	34.75
tblVehicleEF	UBUS	13.86	0.90
tblVehicleEF	UBUS	1,846.39	1,692.13
tblVehicleEF	UBUS	136.37	11.80
tblVehicleEF	UBUS	5.76	0.38
tblVehicleEF	UBUS	13.55	0.14
tblVehicleEF	UBUS	0.52	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6550e-003
tblVehicleEF	UBUS	1.4030e-003	1.4100e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6220e-003
tblVehicleEF	UBUS	0.06	2.5280e-003
tblVehicleEF	UBUS	1.2900e-003	1.3000e-004
tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.13	0.04
tblVehicleEF	UBUS	0.01	3.0250e-003
tblVehicleEF	UBUS	1.6160e-003	1.1700e-004

tblVehicleEF	UBUS	9.2250e-003	1.6870e-003
tblVehicleEF	UBUS	0.14	0.01
tblVehicleEF	UBUS	4.1190e-003	7.4500e-004
tblVehicleEF	UBUS	2.50	4.54
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	1.24	0.04
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.68	0.12
tblVehicleTrips	ST_TR	0.00	0.07
tblVehicleTrips	SU_TR	1.68	0.05
tblVehicleTrips	SU_TR	0.00	0.03
tblVehicleTrips	WD_TR	1.68	1.75
tblVehicleTrips	WD_TR	0.00	0.39

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	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					
2021	0.0000	0.0000	0.0000	0.0000	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)
		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	1.3952	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Energy	2.6400e-003	0.0240	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	201.5535	201.5535	7.8700e-003	1.9500e-003	202.3320
Mobile	0.3594	5.1913	3.5954	0.0256	1.3206	0.0469	1.3674	0.3586	0.0447	0.4033	0.0000	2,531.5717	2,531.5717	0.1767	0.0000	2,535.9888
Waste						0.0000	0.0000		0.0000	0.0000	65.2575	0.0000	65.2575	3.8566	0.0000	161.6728
Water						0.0000	0.0000		0.0000	0.0000	25.0908	278.0605	303.1513	2.5887	0.0632	386.6992
Total	**1.7572**	**5.2154**	**3.6243**	**0.0257**	**1.3206**	**0.0487**	**1.3693**	**0.3586**	**0.0465**	**0.4051**	**90.3484**	**3,011.2026**	**3,101.5510**	**6.6299**	**0.0651**	**3,286.7109**

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	1.3952	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Energy	2.6400e-003	0.0240	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	201.5535	201.5535	7.8700e-003	1.9500e-003	202.3320
Mobile	0.3594	5.1913	3.5954	0.0256	1.3206	0.0469	1.3674	0.3586	0.0447	0.4033	0.0000	2,531.5717	2,531.5717	0.1767	0.0000	2,535.9888
Waste						0.0000	0.0000		0.0000	0.0000	65.2575	0.0000	65.2575	3.8566	0.0000	161.6728
Water						0.0000	0.0000		0.0000	0.0000	25.0908	278.0605	303.1513	2.5887	0.0632	386.6992
Total	**1.7572**	**5.2154**	**3.6243**	**0.0257**	**1.3206**	**0.0487**	**1.3693**	**0.3586**	**0.0465**	**0.4051**	**90.3484**	**3,011.2026**	**3,101.5510**	**6.6299**	**0.0651**	**3,286.7109**

	ROG	NOx	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	8/28/2021	8/27/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

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**

3.2 Demolition - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3594	5.1913	3.5954	0.0256	1.3206	0.0469	1.3674	0.3586	0.0447	0.4033	0.0000	2,531.5717	2,531.5717	0.1767	0.0000	2,535.9888
Unmitigated	0.3594	5.1913	3.5954	0.0256	1.3206	0.0469	1.3674	0.3586	0.0447	0.4033	0.0000	2,531.5717	2,531.5717	0.1767	0.0000	2,535.9888

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	600.00	40.87	16.35	1,871,781	1,871,781
User Defined Industrial	132.01	22.23	8.89	1,437,659	1,437,659
Total	732.02	63.10	25.24	3,309,440	3,309,440

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	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.620100	0.040800	0.202100	0.130400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006600	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.080600	0.025400	0.106100	0.787900	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	175.4554	175.4554	7.3700e-003	1.4700e-003	176.0788
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	175.4554	175.4554	7.3700e-003	1.4700e-003	176.0788
NaturalGas Mitigated	2.6400e-003	0.0240	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	26.0981	26.0981	5.0000e-004	4.8000e-004	26.2532
NaturalGas Unmitigated	2.6400e-003	0.0240	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	26.0981	26.0981	5.0000e-004	4.8000e-004	26.2532

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	489060	2.6400e-003	0.0240	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	26.0981	26.0981	5.0000e-004	4.8000e-004	26.2532
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**2.6400e-003**	**0.0240**	**0.0201**	**1.4000e-004**		**1.8200e-003**	**1.8200e-003**		**1.8200e-003**	**1.8200e-003**	**0.0000**	**26.0981**	**26.0981**	**5.0000e-004**	**4.8000e-004**	**26.2532**

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	489060	2.6400e-003	0.0240	0.0201	1.4000e-004		1.8200e-003	1.8200e-003		1.8200e-003	1.8200e-003	0.0000	26.0981	26.0981	5.0000e-004	4.8000e-004	26.2532
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**2.6400e-003**	**0.0240**	**0.0201**	**1.4000e-004**		**1.8200e-003**	**1.8200e-003**		**1.8200e-003**	**1.8200e-003**	**0.0000**	**26.0981**	**26.0981**	**5.0000e-004**	**4.8000e-004**	**26.2532**

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	649800	175.4554	7.3700e-003	1.4700e-003	176.0788
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**175.4554**	**7.3700e-003**	**1.4700e-003**	**176.0788**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	649800	175.4554	7.3700e-003	1.4700e-003	176.0788
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**175.4554**	**7.3700e-003**	**1.4700e-003**	**176.0788**

6.0 Area Detail

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	1.3952	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Unmitigated	1.3952	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

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	0.1585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Total	**1.3952**	**8.0000e-005**	**8.7400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0170**	**0.0170**	**4.0000e-005**	**0.0000**	**0.0181**

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	0.1585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Total	**1.3952**	**8.0000e-005**	**8.7400e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0170**	**0.0170**	**4.0000e-005**	**0.0000**	**0.0181**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	303.1513	2.5887	0.0632	386.6992
Unmitigated	303.1513	2.5887	0.0632	386.6992

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	79.0875 / 0	303.1513	2.5887	0.0632	386.6992
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**303.1513**	**2.5887**	**0.0632**	**386.6992**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	79.0875 / 0	303.1513	2.5887	0.0632	386.6992
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**303.1513**	**2.5887**	**0.0632**	**386.6992**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	65.2575	3.8566	0.0000	161.6728
Unmitigated	65.2575	3.8566	0.0000	161.6728

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	321.48	65.2575	3.8566	0.0000	161.6728
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**65.2575**	**3.8566**	**0.0000**	**161.6728**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	321.48	65.2575	3.8566	0.0000	161.6728
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		**65.2575**	**3.8566**	**0.0000**	**161.6728**

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

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APPENDIX 3.3:

EMFAC2017 EMISSION RATES

EMFAC2017 Derived CalEEMod Annual Emission Rates: Year 2022[1,2]

Season	Pollutant	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
Annual	CH4_IDLEX	0	0	0	0	0.0050851	0.003695113	0.002506877	0.029356376	0.0088195	0	0	0.0596216	0
Annual	CH4_RUNEX	0.002511	0.007576	0.0044093	0.0055203	0.0061022	0.004104298	0.003321213	0.13599332	0.0065956	4.4471247	0.3403666	0.0085844	0.0036581
Annual	CH4_STREX	0.0501486	0.0826572	0.0709165	0.0880071	0.0158535	0.010438222	0.006466798	1.99667E-07	0.0230531	0.0101717	0.2409502	0.0061574	0
Annual	CO_IDLEX	0	0	0	0	0.1781229	0.145213849	0.306081914	5.949976577	0.5193752	0	0	2.5047913	0
Annual	CO_RUNEX	0.6708625	1.5227713	1.0001954	1.1353959	0.7454201	0.496596346	0.32291321	0.670287286	0.770132	34.749389	19.259492	0.7810369	0.3456228
Annual	CO_STREX	2.1123197	2.3872575	2.7143849	3.2491728	1.0307795	0.672008973	0.742649102	0.003788439	2.4474186	0.8905121	8.5959988	0.8221453	0
Annual	CO2_NBIO_IDLEX	0	0	0	0	9.2507984	14.13711968	68.92121199	1124.174368	76.064645	0	0	345.06036	0
Annual	CO2_NBIO_RUNEX	265.14551	314.63378	335.587	415.0989	652.44765	665.2454714	974.5748282	1484.265464	1406.8974	1692.1273	212.03493	1112.1718	970.20504
Annual	CO2_NBIO_STREX	54.120585	65.695546	70.249733	87.324313	11.213673	8.759901098	6.352875619	0.034945266	20.488538	11.773881	60.730311	4.7905446	0
Annual	NOX_IDLEX	0	0	0	0	0.0732221	0.104688067	0.515800985	6.076375771	0.3431042	0	0	3.2862508	0
Annual	NOX_RUNEX	0.0373144	0.1275673	0.0857353	0.1078346	1.2509372	1.355503504	1.613798568	3.41682119	1.241885	0.3822291	1.129145	5.1952739	4.2439663
Annual	NOX_STREX[3]	0.1824467	0.2953594	0.2987658	0.3795807	0.3190663	0.222928046	1.496184373	2.104078617	0.6845205	0.137146	0.2629902	0.9057296	0
Annual	PM10_IDLEX	0	0	0	0	0.0008896	0.00131023	0.001231157	0.003628278	0.0005894	0	0	0.0043578	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060589876	0.13034	0.0728339	0.01176	0.7448002	0.13034
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098774	0.010622799	0.012000003	0.035325231	0.012	0.026486	0.004	0.0108041	0.016
Annual	PM10_RUNEX	0.0015205	0.0023434	0.0016015	0.001685	0.009826	0.012726783	0.035013591	0.028429484	0.0136136	0.0026547	0.0019647	0.0318947	0.1143325
Annual	PM10_STREX	0.0018572	0.0028386	0.0019239	0.0020314	0.0002596	0.000136886	7.52719E-05	9.44989E-07	0.0002182	0.0001414	0.0029599	3.955E-05	0
Annual	PM25_IDLEX	0	0	0	0	0.0008511	0.00125355	0.001177897	0.003471321	0.0005639	0	0	0.0041693	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02596709	0.05586	0.0312145	0.00504	0.3192001	0.05586
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024693	0.0026557	0.003000001	0.008831308	0.003	0.0066215	0.001	0.002701	0.004
Annual	PM25_RUNEX	0.0014	0.0021564	0.0014738	0.0015536	0.0093755	0.012162576	0.033495968	0.02719962	0.0130075	0.0025281	0.0018375	0.0305039	0.1093865
Annual	PM25_STREX	0.0017076	0.0026102	0.001769	0.0018682	0.0002387	0.000125862	6.92098E-05	8.68883E-07	0.0002006	0.00013	0.0027874	3.636E-05	0
Annual	ROG_DIURN	0.059871	0.1905013	0.0973609	0.1146443	0.0030394	0.001704043	0.00045316	5.01984E-06	0.0026021	0.0016779	1.422935	0.0012417	0
Annual	ROG_HTSK	0.100942	0.2621956	0.1415757	0.1685955	0.0845705	0.05067803	0.014922369	0.000160226	0.0242391	0.0095389	0.7987129	0.009512	0
Annual	ROG_IDLEX	0	0	0	0	0.0212921	0.017503442	0.015546555	0.429500781	0.0507962	0	0	0.2803478	0
Annual	ROG_RESTL	0.0483407	0.1353491	0.082393	0.102915	0.0015811	0.000919578	0.000239893	2.97166E-06	0.0011161	0.0007372	0.779223	0.0005903	0
Annual	ROG_RUNEX	0.0095373	0.0335905	0.0181307	0.0233402	0.0620099	0.059206164	0.056447565	0.081711517	0.0504943	0.0652964	2.3253718	0.1052018	0.0787567
Annual	ROG_RUNLS	0.2112005	0.85791	0.4533448	0.4975767	0.5542081	0.315849786	0.082321313	0.00079103	0.2852933	0.0404931	1.9080744	0.0641423	0
Annual	ROG_STREX	0.2201927	0.4247746	0.3325826	0.4378158	0.078984	0.051325408	0.034288939	1.04239E-06	0.1185417	0.0367858	1.8431582	0.0357779	0
Annual	SO2_IDLEX	0	0	0	0	8.959E-05	0.00013534	0.000653127	0.010324735	0.0007253	0	0	0.0032887	0
Annual	SO2_RUNEX	0.0026063	0.0030934	0.0032988	0.0040782	0.0063567	0.006429896	0.009262186	0.013164048	0.0136725	0.0030254	0.0020983	0.0106261	0.0091719
Annual	SO2_STREX	0.0005321	0.0006459	0.0006907	0.0008586	0.000111	8.66863E-05	6.28669E-05	3.45812E-07	0.0002028	0.0001165	0.000601	4.741E-05	0
Annual	TOG_DIURN	0.059889	0.1905585	0.0973901	0.1146786	0.0030394	0.001704043	0.00045316	5.01984E-06	0.0026021	0.0016779	1.422935	0.0012417	0
Annual	TOG_HTSK	0.1009723	0.2622742	0.1416181	0.168646	0.0845705	0.05067803	0.014922369	0.000160226	0.0242391	0.0095389	0.7987129	0.009512	0
Annual	TOG_IDLEX	0	0	0	0	0.0299225	0.023875182	0.02032501	0.49842643	0.0671426	0	0	0.4018426	0
Annual	TOG_RESTL	0.0483552	0.1353897	0.0824178	0.1029459	0.0015811	0.000919578	0.000239893	2.97166E-06	0.0011161	0.0007372	0.779223	0.0005903	0
Annual	TOG_RUNEX	0.0138798	0.0489955	0.0264217	0.0339072	0.0770615	0.069802209	0.065660178	0.226286692	0.0657861	4.5405286	2.8661964	0.1274631	0.0896592
Annual	TOG_RUNLS	0.2112639	0.8581674	0.4534808	0.4977259	0.5542081	0.315849786	0.082321313	0.00079103	0.2852933	0.0404931	1.9080744	0.0641423	0
Annual	TOG_STREX	0.2411787	0.4652589	0.3642807	0.4795383	0.0864776	0.056194861	0.037542072	1.14128E-06	0.1297883	0.0402758	2.0056647	0.0391723	0
Summer	CH4_IDLEX	0	0	0	0	0.0050986	0.003704863	0.002386309	0.03048662	0.0088754	0	0	0.0596891	0
Summer	CH4_RUNEX	0.0028347	0.0084645	0.0049544	0.0062114	0.0062279	0.004145781	0.003344779	0.135994271	0.006735	4.4471413	0.3356313	0.0087142	0.0036581
Summer	CH4_STREX	0.0434955	0.0711812	0.0614118	0.0761678	0.0152418	0.010036258	0.006209855	1.90483E-07	0.0219973	0.0092353	0.2129044	0.0051553	0
Summer	CO_IDLEX	0	0	0	0	0.1781229	0.145213849	0.26224218	5.816581695	0.5090583	0	0	2.4671258	0
Summer	CO_RUNEX	0.8083333	1.8056027	1.1962497	1.3542329	0.7589257	0.501023893	0.325643268	0.67056103	0.7860478	34.750309	19.27555	0.7960042	0.3456228
Summer	CO_STREX	1.7780547	2.0017572	2.2770876	2.7169552	0.9773456	0.637543509	0.701106403	0.00357666	2.2775773	0.7595399	7.9007261	0.5954702	0
Summer	CO2_NBIO_IDLEX	0	0	0	0	9.2507984	14.13711968	69.58563032	1121.036532	75.89573	0	0	352.97835	0
Summer	CO2_NBIO_RUNEX	287.10567	337.48233	357.70983	438.44709	652.47198	665.2532681	974.5796378	1484.265926	1406.9255	1692.129	211.89805	1112.1983	970.20504
Summer	CO2_NBIO_STREX	53.483259	64.873239	69.393407	86.265898	11.117954	8.698115905	6.282062728	0.034609429	20.20014	11.554669	58.878141	4.4116044	0
Summer	NOX_IDLEX	0	0	0	0	0.0732221	0.104688067	0.515942988	5.901205034	0.3350715	0	0	3.355634	0
Summer	NOX_RUNEX	0.0338242	0.1145163	0.0773451	0.0972591	1.1748123	1.277373817	1.519381496	3.226107767	1.1565432	0.379286	0.9747712	4.8782779	4.0016033
Summer	NOX_STREX[3]	0.1702192	0.2754067	0.2786917	0.3540257	0.3063664	0.214074275	1.493647722	2.104058715	0.6739387	0.1304061	0.24763	0.9021888	0
Summer	PM10_IDLEX	0	0	0	0	0.0008896	0.00131023	0.00104068	0.00317522	0.000501	0	0	0.0036811	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060589876	0.13034	0.0728339	0.01176	0.7448002	0.13034
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098774	0.010622799	0.012000003	0.035325231	0.012	0.026486	0.004	0.0108041	0.016
Summer	PM10_RUNEX	0.0015205	0.0023434	0.0016015	0.001685	0.009826	0.012726783	0.035013591	0.028429484	0.0136136	0.0026547	0.0019647	0.0318947	0.1143325
Summer	PM10_STREX	0.0018572	0.0028386	0.0019239	0.0020314	0.0002596	0.000136886	7.52719E-05	9.44989E-07	0.0002182	0.0001414	0.0029599	3.955E-05	0
Summer	PM25_IDLEX	0	0	0	0	0.0008511	0.00125355	0.000995661	0.003037861	0.0004793	0	0	0.0035218	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02596709	0.05586	0.0312145	0.00504	0.3192001	0.05586
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024693	0.0026557	0.003000001	0.008831308	0.003	0.0066215	0.001	0.002701	0.004
Summer	PM25_RUNEX	0.0014	0.0021564	0.0014738	0.0015536	0.0093755	0.012162576	0.033495968	0.02719962	0.0130075	0.0025281	0.0018375	0.0305039	0.1093865
Summer	PM25_STREX	0.0017076	0.0026102	0.001769	0.0018682	0.0002387	0.000125862	6.92098E-05	8.68883E-07	0.0002006	0.00013	0.0027874	3.636E-05	0
Summer	ROG_DIURN	0.1122918	0.3591141	0.1821484	0.2137828	0.0054783	0.003072949	0.000828267	9.86032E-06	0.0046858	0.0030607	2.7723384	0.0022078	0
Summer	ROG_HTSK	0.1140598	0.3100856	0.1609587	0.1877817	0.0967417	0.058157686	0.017228668	0.000182083	0.0268913	0.0112667	1.1143267	0.0099848	0
Summer	ROG_IDLEX	0	0	0	0	0.0212921	0.017503442	0.015061577	0.44923775	0.0514955	0	0	0.2801428	0
Summer	ROG_RESTL	0.0898943	0.2556617	0.1514602	0.1873187	0.0030454	0.001762514	0.000477905	6.58099E-06	0.0022091	0.0014842	1.767628	0.0011133	0
Summer	ROG_RUNEX	0.0106709	0.0373635	0.0202234	0.0260596	0.0626863	0.059386739	0.056559393	0.081717877	0.051161	0.0653378	2.2793623	0.1058624	0.0787567
Summer	ROG_RUNLS	0.2081493	0.8455275	0.4463895	0.4906893	0.5561259	0.317065942	0.082837087	0.000811643	0.285656	0.0393984	1.8797624	0.0589704	0
Summer	ROG_STREX	0.1891739	0.3631622	0.2853268	0.3755016	0.0757002	0.049193815	0.032809885	9.97423E-07	0.1128257	0.0333265	1.6174351	0.0299258	0
Summer	SO2_IDLEX	0	0	0	0	8.959E-05	0.00013534	0.000659489	0.010293096	0.0007237	0	0	0.0033635	0
Summer	SO2_RUNEX	0.0028222	0.003318	0.0035163	0.0043078	0.0063569	0.006429973	0.009262234	0.013164052	0.0136728	0.0030254	0.0020969	0.0106263	0.0091719
Summer	SO2_STREX	0.0005258	0.0006378	0.0006823	0.0008482	0.00011	8.60749E-05	6.21661E-05	3.42488E-07	0.0001999	0.0001143	0.0005826	4.366E-05	0
Summer	TOG_DIURN	0.1123254	0.3592218	0.182203	0.2138469	0.0054783	0.003072949	0.000828267	9.86032E-06	0.0046858	0.0030607	2.7723384	0.0022078	0
Summer	TOG_HTSK	0.114094	0.3101786	0.161007	0.187838	0.0967417	0.058157686	0.017228668	0.000182083	0.0268913	0.0112667	1.1143267	0.0099848	0
Summer	TOG_IDLEX	0	0	0	0	0.0299225	0.023875182	0.019615323	0.521108923	0.0679387	0	0	0.4016093	0
Summer	TOG_RESTL	0.0899213	0.2557384	0.1515056	0.1873748	0.0030454	0.001762514	0.000477905	6.58099E-06	0.0022091	0.0014842	1.767628	0.0011133	0
Summer	TOG_RUNEX	0.0155337	0.0545006	0.0294751	0.0378671	0.0780484	0.070065703	0.065823358	0.226295973	0.0667589	4.540589	2.811637	0.1284269	0.0896592
Summer	TOG_RUNLS	0.2082118	0.8457811	0.4465235	0.4908365	0.5561259	0.317065942	0.082837087	0.000811643	0.285656	0.0393984	1.8797624	0.0589704	0
Summer	TOG_STREX	0.2072035	0.3977744	0.3125211	0.4112861	0.0828822	0.053861035	0.035922694	1.09205E-06	0.1235299	0.0364883	1.7600981	0.032765	0

Winter	CH4_IDLEX	0	0	0	0	0.0050868	0.003696273	0.002683152	0.018657615	0.0087745	0	0	0.0596174	0
Winter	CH4_RUNEX	0.0024595	0.0074306	0.0043219	0.0054045	0.0061097	0.004107724	0.003321206	0.003368303	0.0065995	4.4471251	0.3380167	0.0085765	0.0036581
Winter	CH4_STREX	0.0504766	0.083203	0.0713869	0.0885931	0.0157744	0.010387561	0.006419771	1.98536E-07	0.0230509	0.0102547	0.2376692	0.0063442	0
Winter	CO_IDLEX	0	0	0	0	0.1781229	0.145213849	0.367232024	5.981575427	0.5336223	0	0	2.5568054	0
Winter	CO_RUNEX	0.6442281	1.4669951	0.9619362	1.0918503	0.7461444	0.496899006	0.323004081	0.331191983	0.7706524	34.749434	18.757183	0.7800615	0.3456228
Winter	CO_STREX	2.1157183	2.3918644	2.7219145	3.2585443	1.0243206	0.668014244	0.736815593	0.003758766	2.4531242	0.9034492	8.4367304	0.8592352	0
Winter	CO2_NBIO_IDLEX	0	0	0	0	9.2507984	14.13711968	68.0001011	1097.477971	76.297908	0	0	334.12598	0
Winter	CO2_NBIO_RUNEX	261.05996	310.37973	331.47008	410.75231	652.44895	665.2460099	974.5749866	1393.364139	1406.8983	1692.1274	211.16891	1112.1701	970.20504
Winter	CO2_NBIO_STREX	54.130665	65.711463	70.268838	87.348496	11.201968	8.752640942	6.342989048	0.034898214	20.497557	11.795351	60.384313	4.8530132	0
Winter	NOX_IDLEX	0	0	0	0	0.0732221	0.104688067	0.515604396	6.134648763	0.3541969	0	0	3.1904359	0
Winter	NOX_RUNEX	0.0357144	0.1222929	0.0821108	0.1032983	1.2305484	1.334381677	1.586931331	3.279278901	1.219445	0.3815239	1.0949706	5.118713	4.1746013
Winter	NOX_STREX[3]	0.1812511	0.2935605	0.2968511	0.3771769	0.3149779	0.220060449	1.495548849	2.104073738	0.6818154	0.1361885	0.2609966	0.9061097	0
Winter	PM10_IDLEX	0	0	0	0	0.0008896	0.00131023	0.001494195	0.003864686	0.0007116	0	0	0.0052923	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.059002456	0.13034	0.0728339	0.01176	0.7448002	0.13034
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.0098774	0.010622799	0.012000003	0.034399622	0.012	0.026486	0.004	0.0108041	0.016
Winter	PM10_RUNEX	0.0015205	0.0023434	0.0016015	0.001685	0.009826	0.012726783	0.035013591	0.028273632	0.0136136	0.0026547	0.0019647	0.0318947	0.1143325
Winter	PM10_STREX	0.0018572	0.0028386	0.0019239	0.0020314	0.0002596	0.000136886	7.52719E-05	9.44989E-07	0.0002182	0.0001414	0.0029599	3.955E-05	0
Winter	PM25_IDLEX	0	0	0	0	0.0008511	0.00125355	0.001429557	0.003697502	0.0006808	0	0	0.0050633	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025286767	0.05586	0.0312145	0.00504	0.3192001	0.05586
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024693	0.0026557	0.003000001	0.008599905	0.003	0.0066215	0.001	0.002701	0.004
Winter	PM25_RUNEX	0.0014	0.0021564	0.0014738	0.0015536	0.0093755	0.012162576	0.033495968	0.02705051	0.0130075	0.0025281	0.0018375	0.0305039	0.1093865
Winter	PM25_STREX	0.0017076	0.0026102	0.001769	0.0018682	0.0002387	0.000125862	6.92098E-05	8.68883E-07	0.0002006	0.00013	0.0027874	3.636E-05	0
Winter	ROG_DIURN	0.0571558	0.1879088	0.0914014	0.1055327	0.003152	0.001714328	0.000470673	5.32641E-06	0.002739	0.0016874	1.5735307	0.0012073	0
Winter	ROG_HTSK	0.1105587	0.3005524	0.1558745	0.182272	0.0990207	0.058382004	0.016659725	0.000186681	0.0263554	0.01068	1.0568137	0.0100766	0
Winter	ROG_IDLEX	0	0	0	0	0.0212921	0.017503442	0.016225643	0.401693337	0.0498305	0	0	0.2806308	0
Winter	ROG_RESTL	0.0461666	0.1287548	0.0787752	0.0986676	0.00161	0.00092205	0.000244015	3.16348E-06	0.0011655	0.0007448	0.7426775	0.0006013	0
Winter	ROG_RUNEX	0.0093396	0.0329181	0.0177631	0.0228284	0.0620448	0.059219786	0.056450881	0.071960973	0.0505139	0.0652984	2.3059588	0.1051667	0.0787567
Winter	ROG_RUNLS	0.2380793	1.0011481	0.5242295	0.5708384	0.5956469	0.340844353	0.089738272	0.000829096	0.3039547	0.0468464	2.1751002	0.0770407	0
Winter	ROG_STREX	0.2215737	0.4273136	0.3346868	0.4405544	0.0785469	0.051048872	0.034098264	1.03659E-06	0.1185343	0.0370728	1.8149853	0.0368737	0
Winter	SO2_IDLEX	0	0	0	0	8.959E-05	0.00013534	0.000644307	0.010368428	0.0007275	0	0	0.0031854	0
Winter	SO2_RUNEX	0.0025661	0.0030516	0.0032583	0.0040355	0.0063567	0.006429901	0.009262188	0.013164048	0.0136725	0.0030254	0.0020897	0.0106261	0.0091719
Winter	SO2_STREX	0.0005322	0.0006461	0.0006909	0.0008588	0.0001109	8.66145E-05	6.2769E-05	3.45346E-07	0.0002028	0.0001167	0.0005976	4.802E-05	0
Winter	TOG_DIURN	0.057173	0.1879652	0.0914289	0.1055644	0.003152	0.001714328	0.000470673	5.32641E-06	0.002739	0.0016874	1.5735307	0.0012073	0
Winter	TOG_HTSK	0.1105918	0.3006426	0.1559212	0.1823266	0.0990207	0.058382004	0.016659725	0.000186681	0.0263554	0.01068	1.0568137	0.0100766	0
Winter	TOG_IDLEX	0	0	0	0	0.0299225	0.023875182	0.021318707	0.457297286	0.0660432	0	0	0.4021648	0
Winter	TOG_RESTL	0.0461805	0.1287935	0.0787988	0.0986972	0.00161	0.00092205	0.000244015	3.16348E-06	0.0011655	0.0007448	0.7426775	0.0006013	0
Winter	TOG_RUNEX	0.0135913	0.0480151	0.0258856	0.0331639	0.0771124	0.069822086	0.065665017	0.081982635	0.0658146	4.5405315	2.8427129	0.1274118	0.0896592
Winter	TOG_RUNLS	0.2381508	1.0014484	0.5243868	0.5710097	0.5956469	0.340844353	0.089738272	0.000829096	0.3039547	0.0468464	2.1751002	0.0770407	0
Winter	TOG_STREX	0.2426913	0.4680399	0.3665856	0.4825381	0.085999	0.055892089	0.037333308	1.13494E-06	0.1297801	0.0405901	1.9750313	0.0403721	0

1 Source: California Air Resources Board. EMFAC2017 Web Database. https://www.arb.ca.gov/emfac/2017/; California Air Pollution Control Officers Association (CAPCOA). 2017, November. California Emissions Estimator Model User's Guide, Version 2016.3.2, Appendix A.

2 Unless otherwise noted, per CalEEMod methodology, the calculated CalEEMod emission rates are derived from the emission rates obtained using the EMFAC2017 Web Database for the San Bernardino (SC) region .

3 Because EMFAC2017 provides vehicle trips data for MHDT and HHDT diesel trucks, the formula provided in Appendix A of the CalEEMod User's Guide in calculating the NO_X STREX emission rates are utilized.

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A.3 - Health Risk Assessment

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Agua Mansa Commerce Center

MOBILE SOURCE HEALTH RISK ASSESSMENT

CITY OF COLTON

PREPARED BY:

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SEPTEMBER 16, 2021

13781-04 HRA Report

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PCE	Passenger Car Equivalent
PM10	Particulate Matter 10 microns in diameter or less
Project	Agua Mansa Commerce Center
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

This report evaluates the potential mobile source health risk impacts to sensitive receptors (residential, worker and school occupancies) associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to diesel particulate matter (DPM) emitted from heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

The results of the health risk assessment of lifetime cancer risk from Project-generated DPM emissions are provided in Table ES-1.

Individual Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 56 feet east of the Project site at 516 Agua Mansa Road. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 7.63 in one million, which is less than the South Coast Air Quality Management District's (SCAQMD's) significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project is <0.01 and does not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is the Walmart DC6561 industrial facility located immediately adjacent to the west of the proposed Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.70 in one million, which is less than the SCAQMD's threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project is <0.01 and does not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is at the San Salvador Preschool located approximately 1,900 feet east of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.53 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project is <0.01 and does not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

Cumulative Impacts:

Consistent with SCAQMD guidance, since the Project does not exceed the applicable health risk thresholds and results in a significant impact on an individual basis, the Project would not be

considered to be cumulatively significant and a less than significant cumulative health risk impact would occur.

TABLE ES-1: SUMMARY OF CANCER AND NON-CANCER RISKS

Location	Time Period[1]	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
Maximum Exposed Sensitive Receptor	30 Year Exposure	7.63	10	No
Maximum Exposed Worker Receptor	25 Year Exposure	0.70	10	No
Maximum Exposed School Child Receptor	10 Year Exposure	0.53	10	No
Location	**Time Period**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Maximum Exposed Sensitive Receptor	Annual Average	<0.01	1.0	No
Maximum Exposed Worker Receptor	Annual Average	<0.01	1.0	No
Maximum Exposed School Child Receptor	Annual Average	<0.01	1.0	No

[1] Based on the Office of Environmental Health Hazard Assessment (OEHHA) recommendations, cancer risk to residential receptors are based on a 30-year exposure duration and 25 years for worker receptors. A value of 10 years for school-based receptors was used to accommodate a Transitional Kindergarten (TK) through 8th grade tenure, as a conservative measure. (2).

1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate Project-related impacts to sensitive receptors (residential, schools) and adjacent workers as a result of heavy-duty diesel trucks accessing the site.

The SCAQMD identifies that if a proposed Project is expected to generate/attract heavy-duty diesel trucks, which emit DPM, preparation of a mobile source HRA is recommended. This document serves to meet the SCAQMD's request for preparation of an HRA. The mobile source HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than one (1.0) means that adverse health effects are not expected. In this HRA, non-carcinogenic exposures of less than 1.0 are considered less-than-significant.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (3). In this report the AQMD states (Page D-3):

"…the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."

1.1 SITE LOCATION

The proposed Project is located south of Agua Mansa Road and west of Rancho Avenue at 1500 West Agua Mansa Road in the City of Colton. The Interstate 10 (I-10) freeway is located approximately 1.00 mile north of the Project site boundary. The Project location map is shown on Exhibit 1-A.

The Project is located adjacent to vacant land to the north and south, existing industrial uses with a residential home to the west and east of the Project site. As per the City of Colton General Plan, the Project site is designated for Heavy Industrial uses. Heavy Industrial uses may include heavy manufacturing, distribution, assembly, resource mining, storage, and similar activities not normally compatible near residential development due to environmental nuisances such as noise and air pollution. Within established areas, Heavy Industrial uses should be buffered from residential neighborhoods by Light Industrial or Business Park development wherever possible (3).

1.2 PROJECT DESCRIPTION

Exhibit 1-B illustrates the preliminary Project site plan. The Project is proposed to consist of 913,743 square feet (sf) of High-Cube Cold Storage Warehouse and High-Cube Fulfillment Center Warehouse use. Building 1 is proposed for 454,543 sf of High-Cube Cold Storage Warehouse use and Building 2 is proposed for 114,000 sf of High-Cube Cold Storage Warehouse use (25% of total building square footage) and 342,000 sf of High-Cube Fulfillment Center Warehouse use (75% of total building square footage). The Project is anticipated to be constructed in a single phase by the year 2022.

Based on the *Agua Mansa Commerce Center Traffic Analysis* (TA) report prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 1,944 two-way vehicular trips per day (972 inbound and 972 outbound), including 558 two-way truck trips per day (279 inbound and 279 outbound) (38). This health risk assessment study evaluates the potential impacts resulting from DPM exhaust from the 558 two-way truck trips generated by the Project.

EXHIBIT 1-A: LOCATION MAP

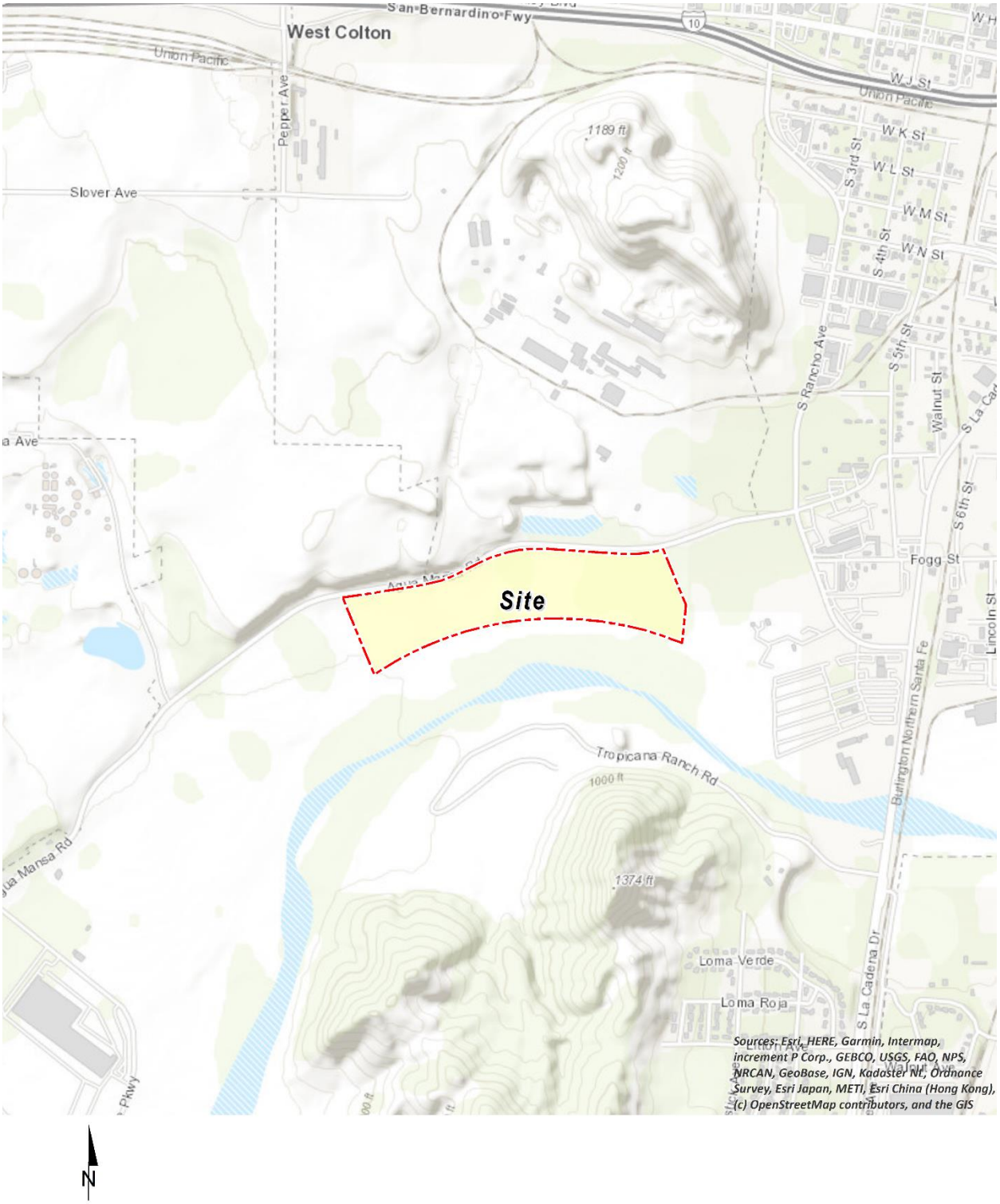

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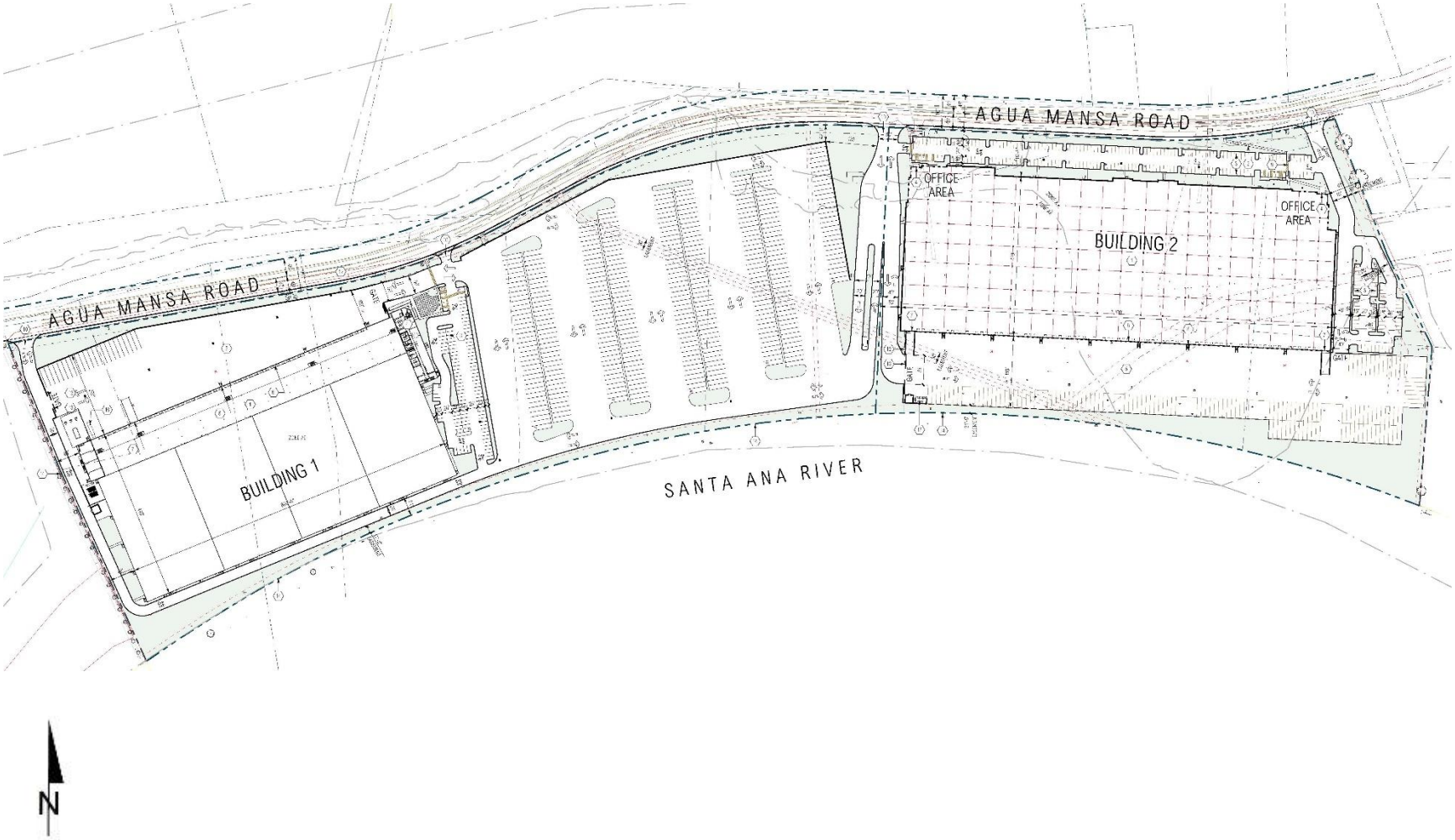
EXHIBIT 1-B: SITE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on SCAQMD guidelines to produce conservative estimates of human health risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The California Air Resources Board (CARB) adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per µg/m3 is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body (95% higher than the average population).
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.[1] The CARB's anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 EMISSIONS ESTIMATION

2.2.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10µm in diameter (PM_{10}) generated with the 2017 version of the EMission FACtor model (EMFAC) developed by the CARB. EMFAC 2017 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (5). The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2017. Emission factors calculated using EMFAC 2017 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2017 in EMFAC Mode for vehicles in the SCAQMD jurisdiction. The EMFAC Model generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The

[1] Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown on Table 2-1. As a conservative measure, a 2022 EMFAC 2017 run was conducted and a static 2022 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2022 emission factors would overstate potential impacts since this approach assumes that emission factors remain "static" and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2022. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks are comprised of 45.12% diesel, Medium-Heavy-Duty Trucks are comprised of 91.03% diesel, and Heavy-Heavy-Duty Trucks are comprised of 92.75% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM10 emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (6):

$$\text{Emissions}_{\text{speedA}}\ (\text{g/s}) = \text{EF}_{\text{RunExhaust}}\ (\text{g/VMT}) * \text{Distance (VMT/trip)} * \text{Number of Trips (trips/day)} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{speedA}}$ (g/s): Vehicle emissions at a given speed A;
$\text{EF}_{\text{RunExhaust}}$ (g/VMT): EMFAC running exhaust PM_{10} emission factor at speed A;
Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (6):

$$\text{Emissions}_{\text{idle}}\ (\text{g/s}) = \text{EF}_{\text{idle}}\ (\text{g/hr}) * \text{Number of Trips (trips/day)} * \text{Idling Time (min/trip)} * 60\ \text{minutes per hour} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{idle}}$ (g/s): Vehicle emissions during idling;
EF_{idle}(g/s): EMFAC idle exhaust PM_{10} emission factor.

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators will be required by State law to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (7), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation.

TABLE 2-1: 2022 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.12560 (g/idle-hr)
5	0.04016 (g/s)
25	0.01685 (g/s)

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have TRUs. Therefore, for modeling purposes this analysis assumes that 57 LHDT1 and LHDT2 vehicles are instate genset TRUs and 139 MHDT and HHDT vehicles are instate trailer TRUs. TRUs are also accounted for during on-site and off-site travel. The TRU calculations are based on the 2017 Off-road Emissions model, version 1.0.1 (Orion), developed by the CARB. Orion does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operation. As such, DPM TRU emissions are calculated at 0.19 grams per hour for on-site idling and off-site travel.

Each roadway and related source location were modeled as multiple adjacent volume sources. Due to the large number of sources modeled for this analysis, the corresponding coordinates of each source are identified in the dispersion model input/output files presented in Appendix 2.1. The DPM emission rate for each volume source was calculated by dividing the source emission rate (g/second) as shown on Table 2-2 by the number of volume sources representing the lateral extent of each link and/or roadway segment. The modeled truck travel routes included in the HRA are based on the truck trip distributions (inbound/outbound) available from the Project's traffic analysis (TA) (4), and are illustrated on Exhibit 2-A. The modeled truck routes are consistent with the trip distribution patterns identified in the Project's TA, and supported by substantial evidence, to determine the potential impacts to receptors in proximity of the proposed project and along the identified truck routes. The modeled emissions for both on-road and on-site sources are illustrated on Exhibit 2-B.

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS

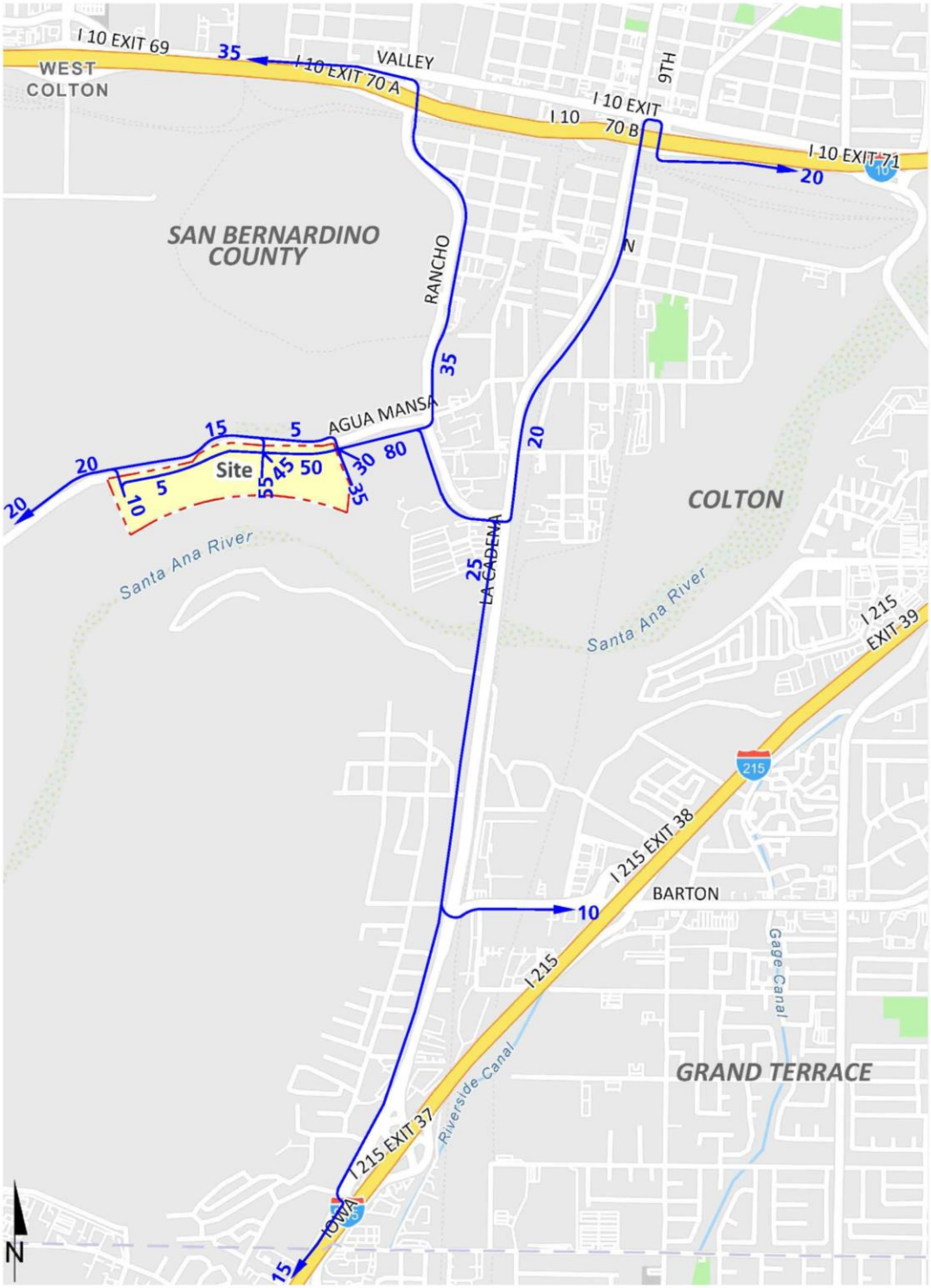
Truck Emission Rates						
Source	**Trucks Per Day**	**VMT [a] (miles/day)**	**Truck Emission Rate [b] (grams/mile)**	**Truck Emission Rate [b] (grams/idle-hour)**	**Daily Truck Emissions [c] (grams/day)**	**Modeled Emission Rates (g/second)**
On-Site Idling Building 1	170			0.1256	16.65	1.927E-04
On-Site Travel Building 1, Dwy 1.	52	34.25	0.0402		2.29	2.648E-05
On-Site Travel Building 1, Dwy 3.	288	177.82	0.0402		11.87	1.374E-04
On-Site Idling Building 2	109			0.1256	10.68	1.236E-04
On-Site Travel Building 2	218	101.08	0.0402		6.75	7.813E-05
Off-Site Travel 20%	112	69.23	0.0169		1.54	1.777E-05
Off-Site Travel 15% between Dwy. 1 and 3	84	37.46	0.0169		0.83	9.613E-06
Off-Site Travel 50% between Dwy. 3 and 4	279	56.10	0.0169		1.24	1.440E-05
Off-Site Travel 80% Agua Mansa to Rancho	446	125.96	0.0169		2.79	3.233E-05
Off-Site Travel 35% Rancho	195	115.78	0.0169		2.57	2.972E-05
Off-Site Travel 45%	251	99.67	0.0169		2.21	2.558E-05
Off-Site Travel 20%	112	101.10	0.0169		2.24	2.595E-05
Off-Site Travel 25%	140	158.77	0.0169		3.52	4.075E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

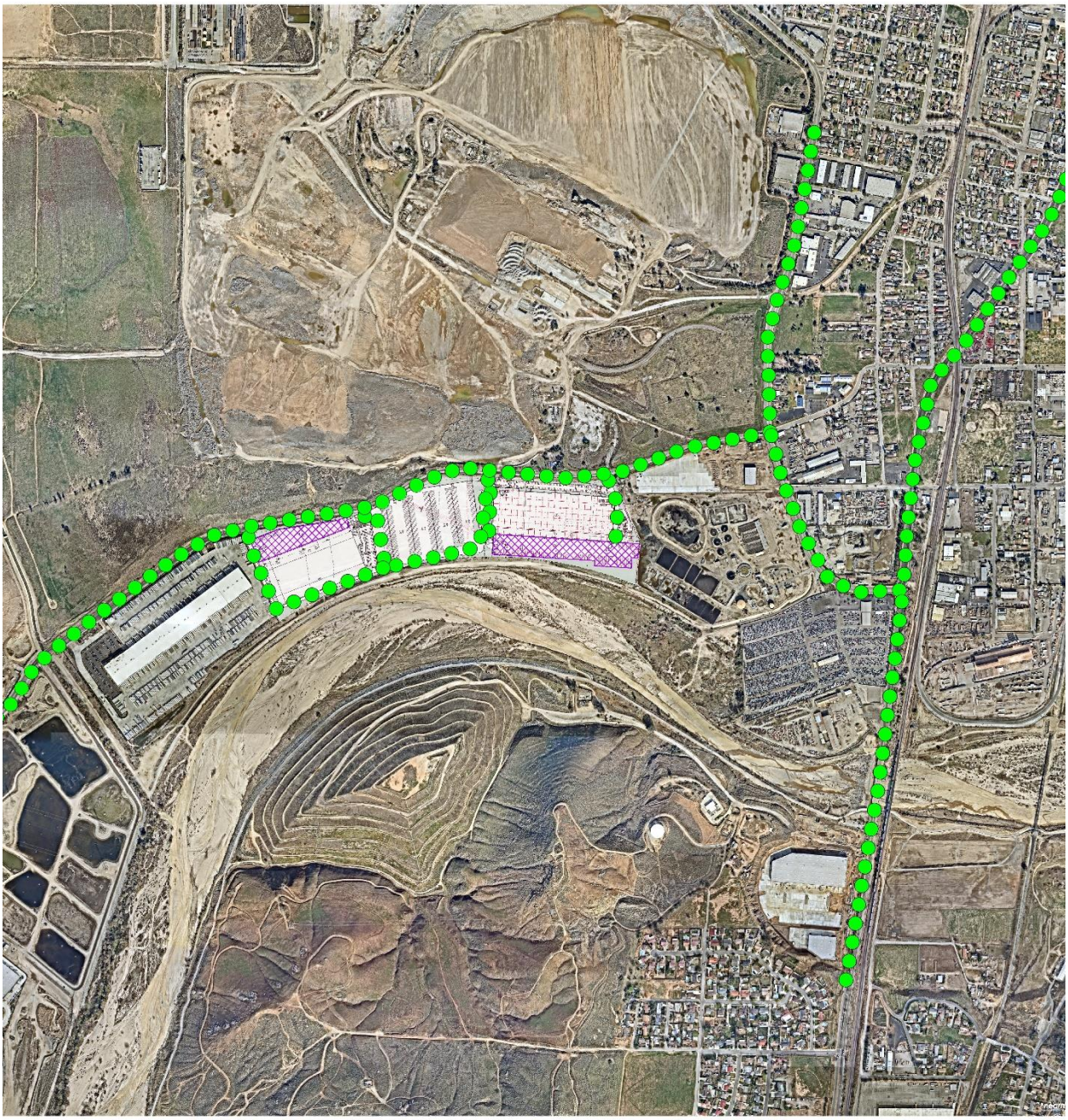
[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes and each TRU idles for 30 minutes on-site.

EXHIBIT 2-A: TRUCK TRAFFIC DISTRIBUTION



10 = Percent To/From Project

EXHIBIT 2-B: MODELED EMISSION SOURCES



Legend

On-Site and Off-Site Travel

On-Site Idling

2.3 EXPOSURE QUANTIFICATION

In order to assess the impact of project related emissions, air quality modeling utilizing the AMS/EPA Regulatory Model AERMOD was performed to assess the downwind extent of DPM emissions from both on-site and off-site mobile source activity. AERMOD is a steady-state Gaussian plume model applicable to directly emitted air pollutants that employs best state-of-practice parameterizations for characterizing meteorological influences and atmospheric dispersion. AERMOD is the U.S. EPA's guideline model for the assessment of near-field pollutant dispersion.

The model offers additional flexibility by allowing the user to assign initial vertical and lateral dispersion parameters for sources representative of a localized mobile fleet. For this assessment, the volume source algorithm was utilized to model the emissions generated from mobile source activity. On-road vertical (sigma z) dispersion parameters were developed for each source location by approximating mixing zone residence time and quantifying the initial vertical term as performed in the California Line Source Dispersion Model Caline3 (11). The horizontal (sigma y) parameters were generated by dividing the source separation distance by a standard deviation of 2.15. For on-site sources, vertical (sigma z) dispersion parameters and source release heights were based upon the *Risk Characterization Scenarios* published by CARB for the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel- Fueled Engines and Vehicles*.(12). Additional model settings, as recommended by SCAQMD, were utilized in the analysis and are presented in Table 2-5 (13).

TABLE 2-5: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban (Population 2,035,210)
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Air dispersion models require additional input parameters including pollutant emission data and local meteorology. Due to their sensitivity to individual meteorological parameters such as wind speed and direction, the U.S. EPA recommends that meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. In response to this recommendation, meteorological data from the SCAQMD Fontana (FONT) monitoring station was used to represent local weather conditions and prevailing winds (10). A wind rose exhibit of the Fontana monitoring station is provided in Exhibit 2-C.

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, volume source and receptor locations within the vicinity of the Project site. The AERMOD dispersion model input/output files for the proposed Project are presented in Appendix 2.1.

EXHIBIT 2-C: WIND ROSE (SRA 34)

Receptors were placed at structure locations for residential, worker and school-based properties representing the preponderance of time individuals spend within a given residence, occupational and/or institutional setting. Impacts to residents or workers located further away from the Project site than the modeled receptors would have a lesser impact than what has already been disclosed in the HRA at the MEIR, MEIW and MEISC. SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015), also indicate that on-site workers are protected by CalOSHA and are typically not evaluated unless they reside within a given facility. The proposed Project does not offer this amenity (on-site residence); therefore, on-site worker exposures were not considered.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-6 through 2-8 summarize the Exposure Parameters for residents, offsite workers and school-based occupancies. Appendix 2.2 includes the detailed risk calculation.

TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1090	10	2	0.85	350	24
2 to 16	745	3	14	0.72	350	24
16 to 30	335	1	14	0.73	350	24

TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 41	230	1	25	250	12

TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (SCHOOL OCCUPANCY)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
2 to 16	745	3	10	180	8

2.4 CARCINOGENIC CHEMICAL RISK

The SCAQMD CEQA Air Quality Handbook (1993) states that emissions of toxic air contaminants (TACs) are considered significant if a HRA shows an increased risk of greater than 10 in one million. Based on guidance from the SCAQMD in the document Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2), for purposes of this analysis, 10 in one million is used as the cancer risk threshold for the proposed Project.

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously to the levels of toxic air contaminants over a specified duration of time. As an example, the risk of dying from accidental drowning is 1,000 in a million which is 100 times more than the SCAQMD's threshold of 10 in one million. The nearest comparison to 10 in one million is the 7 in one million lifetime chance that an individual would be struck by lightning.

Guidance from CARB and the California Environmental Protection Agency, OEHHA recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)-1 to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$DOSEair = (Cair \times [BR/BW] \times A \times EF) \times (1 \times 10^{-6})$$

Where:

DOSEair	=	chronic daily intake (mg/kg/day)
Cair	=	concentration of contaminant in air (ug/m3)
[BR/BW]	=	daily breathing rate normalized to body weight (L/kg BW-day)
A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
1×10^{-6}	=	conversion factors (ug to mg, L to m3)
RISKair	=	DOSEair x CPF x ED/AT

Where:

DOSEair	=	chronic daily intake (mg/kg/day)

CPF	=	cancer potency factor
ED	=	number of years within particular age group
AT	=	averaging time

2.5 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for DPM was obtained from OEHHA for this analysis. The chronic REL for DPM was established by OEHHA as 5 µg/m^3 (15).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

The relationship for the non-cancer health effects of DPM is given by the following equation:

$$HI_{DPM} = C_{DPM}/REL_{DPM}$$

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.

Based on guidance from SCAQMD, when the HI is less than or equal to 1.0, the chronic REL has not been exceeded and no adverse chronic non-carcinogenic health effects would occur. As such, the applicable threshold for non-carcinogenic exposures is 1.0.

2.6 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS

Individual Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 56 feet east of the Project site at 516 Agua Mansa Road. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 7.63 in one million, which is less than the South Coast Air Quality Management District's (SCAQMD's) significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project is <0.01 and does not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences. The nearest modeled receptors are illustrated on Exhibit 2-F.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is the Walmart DC6561 industrial facility located immediately adjacent to the west of the proposed Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.70 in one million, which is less than the SCAQMD's threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project is <0.01 and does not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-F.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is at the San Salvacor Preschool located approximately 1,900 feet east of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.53 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project is <0.01 and does not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children. The nearest modeled receptors are illustrated on Exhibit 2-F.

Cumulative Impacts:

Consistent with SCAQMD guidance, since the Project does not exceed the applicable health risk thresholds and results in a significant impact on an individual basis, the Project would not be considered to be cumulatively significant, and a less than significant cumulative health risk impact would occur.

EXHIBIT 2-F: MODELED RECEPTORS

LEGEND:

- 1 *Residential Receptor*
- 1 *Worker Receptor*
- 1 *School Receptor*

N

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3 REFERENCES

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2. **South Coast Air Quality Managment District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
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4. **Urban Crossroads, Inc.** Agua Mansa Logistics Center Traffic Analysis, 2021.
5. **California Air Resources Board.** EMFAC 2017. [Online] https://www.arb.ca.gov/emfac/2017/.
6. **California Department of Transportation.** EMFAC Software. [Online] http://www.dot.ca.gov/hq/env/air/pages/emfac.htm.
7. **Wong, Jillian.** *Planning, Rule Development & Area Sources.* December 22, 2016.
8. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] 2019. https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf.
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11. **California Department of Transportation**, 1979. Office of Transportation Laboratory. *Caline3-A Versatile Dispersion Model for Predicting Air Pollutant Levels Near Highways and Arterial Streets*.
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13. **South Coast AQMD Modeling Guidance for AERMOD**. [Online] [Cited: September 18, 2019.] http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance.
14. **Office of Environmental Health Hazard Assessment**, 2015. *Air Toxic Hot Spots Program Risk Assessment Guidelines. Guidance Manual for Preparation of Health Risk Assessments*.
15. **Office of Environmental Health Hazard Assessment**, 2020. Toxicity Criteria Database. http://www.oehha.org/risk/chemicaldb/index.asp).

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4 CERTIFICATION

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Agua Mansa Commerce Center Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

Haseeb Qureshi
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EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

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

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APPENDIX 2.1:

AERMOD MODEL INPUT/OUTPUT

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** Lakes Environmental AERMOD MPI
**
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** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 3/29/2021
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**
**
****************************************
** AERMOD CONTROL PATHWAY
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   AVERTIME ANNUAL
   URBANOPT 2035210
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "13781 HRA.ERR"
CO FINISHED
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** SZINIT = 3.25
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** VERTICAL DIMENSION = 6.99
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   LOCATION L0001405     VOLUME   467680.141 3767873.067 268.22
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** LINE VOLUME SOURCE ID = SLINE3
** DESCRSRC ON-SITE TRAVEL BUILDING 1 DWY 3
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0001374
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
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LOCATION	L0001444	VOLUME	468159.793	3767850.094	269.00
LOCATION	L0001445	VOLUME	468151.363	3767848.444	269.00
LOCATION	L0001446	VOLUME	468142.933	3767846.795	269.00
LOCATION	L0001447	VOLUME	468134.503	3767845.145	269.00
LOCATION	L0001448	VOLUME	468126.073	3767843.495	269.00
LOCATION	L0001449	VOLUME	468117.643	3767841.845	269.00
LOCATION	L0001450	VOLUME	468109.213	3767840.195	269.00
LOCATION	L0001451	VOLUME	468100.783	3767838.545	269.00
LOCATION	L0001452	VOLUME	468092.353	3767836.895	269.00
LOCATION	L0001453	VOLUME	468083.923	3767835.245	269.00
LOCATION	L0001454	VOLUME	468079.665	3767839.161	269.00
LOCATION	L0001455	VOLUME	468078.884	3767847.715	269.00
LOCATION	L0001456	VOLUME	468078.104	3767856.270	269.00

LOCATION	L0001457	VOLUME	468077.323	3767864.824	269.00
LOCATION	L0001458	VOLUME	468076.542	3767873.379	269.00
LOCATION	L0001459	VOLUME	468075.762	3767881.933	269.00
LOCATION	L0001460	VOLUME	468074.981	3767890.488	269.00
LOCATION	L0001461	VOLUME	468074.201	3767899.042	269.07
LOCATION	L0001462	VOLUME	468073.420	3767907.597	269.32
LOCATION	L0001463	VOLUME	468072.639	3767916.151	269.59
LOCATION	L0001464	VOLUME	468071.859	3767924.705	269.87
LOCATION	L0001465	VOLUME	468071.078	3767933.260	269.96
LOCATION	L0001466	VOLUME	468070.297	3767941.814	269.99
LOCATION	L0001467	VOLUME	468069.517	3767950.369	270.00
LOCATION	L0001468	VOLUME	468068.736	3767958.923	270.11
LOCATION	L0001469	VOLUME	468067.955	3767967.478	270.42
LOCATION	L0001470	VOLUME	468067.175	3767976.032	270.73
LOCATION	L0001471	VOLUME	468066.394	3767984.587	271.04
LOCATION	L0001472	VOLUME	468065.614	3767993.141	271.58
LOCATION	L0001473	VOLUME	468064.833	3768001.696	272.17
LOCATION	L0001474	VOLUME	468059.137	3768001.789	272.37
LOCATION	L0001475	VOLUME	468051.319	3767998.230	272.39
LOCATION	L0001476	VOLUME	468043.501	3767994.671	272.42
LOCATION	L0001477	VOLUME	468035.683	3767991.112	272.31
LOCATION	L0001478	VOLUME	468027.865	3767987.553	272.07
LOCATION	L0001479	VOLUME	468020.047	3767983.994	271.86
LOCATION	L0001480	VOLUME	468012.229	3767980.435	271.61
LOCATION	L0001481	VOLUME	468004.411	3767976.876	271.36
LOCATION	L0001482	VOLUME	467996.593	3767973.318	271.12
LOCATION	L0001483	VOLUME	467988.774	3767969.759	270.89
LOCATION	L0001484	VOLUME	467980.956	3767966.200	270.65
LOCATION	L0001485	VOLUME	467972.898	3767963.268	270.45
LOCATION	L0001486	VOLUME	467964.702	3767960.699	270.28
LOCATION	L0001487	VOLUME	467956.505	3767958.130	270.11
LOCATION	L0001488	VOLUME	467948.308	3767955.561	269.97
LOCATION	L0001489	VOLUME	467940.111	3767952.991	269.92
LOCATION	L0001490	VOLUME	467931.914	3767950.422	269.92
LOCATION	L0001491	VOLUME	467923.717	3767947.853	269.96
LOCATION	L0001492	VOLUME	467915.521	3767945.284	270.31
LOCATION	L0001493	VOLUME	467907.324	3767942.715	270.85
LOCATION	L0001494	VOLUME	467899.127	3767940.146	271.30
LOCATION	L0001495	VOLUME	467890.930	3767937.577	271.66
LOCATION	L0001496	VOLUME	467882.733	3767935.007	271.73
LOCATION	L0001497	VOLUME	467874.537	3767932.438	271.80
LOCATION	L0001498	VOLUME	467866.340	3767929.869	271.91
LOCATION	L0001499	VOLUME	467858.143	3767927.300	272.03
LOCATION	L0001500	VOLUME	467849.946	3767924.731	271.94
LOCATION	L0001501	VOLUME	467841.749	3767922.162	271.86
LOCATION	L0001502	VOLUME	467833.553	3767919.592	271.77
LOCATION	L0001503	VOLUME	467825.356	3767917.023	271.68
LOCATION	L0001504	VOLUME	467817.159	3767914.454	271.60
LOCATION	L0001505	VOLUME	467808.962	3767911.885	271.51
LOCATION	L0001506	VOLUME	467800.765	3767909.316	271.43

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   LOCATION L0001507     VOLUME   467792.569 3767906.747 271.19
   LOCATION L0001508     VOLUME   467784.372 3767904.178 270.88
   LOCATION L0001509     VOLUME   467776.175 3767901.608 270.52
   LOCATION L0001510     VOLUME   467767.978 3767899.039 270.17
   LOCATION L0001511     VOLUME   467759.781 3767896.470 270.00
   LOCATION L0001512     VOLUME   467751.585 3767893.901 269.91
   LOCATION L0001513     VOLUME   467743.388 3767891.332 269.83
   LOCATION L0001514     VOLUME   467735.191 3767888.763 269.60
   LOCATION L0001515     VOLUME   467726.994 3767886.194 269.24
   LOCATION L0001516     VOLUME   467718.797 3767883.624 268.88
   LOCATION L0001517     VOLUME   467710.601 3767881.055 268.52
   LOCATION L0001518     VOLUME   467702.404 3767878.486 268.40
   LOCATION L0001519     VOLUME   467694.207 3767875.917 268.31
   LOCATION L0001520     VOLUME   467686.010 3767873.348 268.23
   LOCATION L0001521     VOLUME   467677.813 3767870.779 268.14
** END OF LINE VOLUME SOURCE ID = SLINE3
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE4
** DESCRSRC ON-SITE IDLING BUILDING 2
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0001236
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 3
** 468340.488, 3767902.334, 270.00, 3.49, 4.00
** 468654.395, 3767883.210, 272.00, 3.49, 4.00
** 468655.795, 3767883.210, 272.00, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001522     VOLUME   468344.775 3767902.073 270.00
   LOCATION L0001523     VOLUME   468353.349 3767901.550 270.00
   LOCATION L0001524     VOLUME   468361.923 3767901.028 270.00
   LOCATION L0001525     VOLUME   468370.497 3767900.506 270.00
   LOCATION L0001526     VOLUME   468379.071 3767899.983 270.00
   LOCATION L0001527     VOLUME   468387.645 3767899.461 270.00
   LOCATION L0001528     VOLUME   468396.219 3767898.939 270.00
   LOCATION L0001529     VOLUME   468404.793 3767898.416 270.01
   LOCATION L0001530     VOLUME   468413.368 3767897.894 270.02
   LOCATION L0001531     VOLUME   468421.942 3767897.372 270.02
   LOCATION L0001532     VOLUME   468430.516 3767896.849 270.04
   LOCATION L0001533     VOLUME   468439.090 3767896.327 270.31
   LOCATION L0001534     VOLUME   468447.664 3767895.805 270.59
   LOCATION L0001535     VOLUME   468456.238 3767895.282 270.85
   LOCATION L0001536     VOLUME   468464.812 3767894.760 270.95
   LOCATION L0001537     VOLUME   468473.386 3767894.238 270.96
   LOCATION L0001538     VOLUME   468481.960 3767893.715 270.98
   LOCATION L0001539     VOLUME   468490.534 3767893.193 271.00
   LOCATION L0001540     VOLUME   468499.109 3767892.670 271.00
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   LOCATION L0001541     VOLUME   468507.683 3767892.148 271.00
   LOCATION L0001542     VOLUME   468516.257 3767891.626 271.00
   LOCATION L0001543     VOLUME   468524.831 3767891.103 271.00
   LOCATION L0001544     VOLUME   468533.405 3767890.581 271.00
   LOCATION L0001545     VOLUME   468541.979 3767890.059 271.00
   LOCATION L0001546     VOLUME   468550.553 3767889.536 271.00
   LOCATION L0001547     VOLUME   468559.127 3767889.014 271.00
   LOCATION L0001548     VOLUME   468567.701 3767888.492 271.00
   LOCATION L0001549     VOLUME   468576.276 3767887.969 271.00
   LOCATION L0001550     VOLUME   468584.850 3767887.447 271.12
   LOCATION L0001551     VOLUME   468593.424 3767886.925 271.31
   LOCATION L0001552     VOLUME   468601.998 3767886.402 271.50
   LOCATION L0001553     VOLUME   468610.572 3767885.880 271.66
   LOCATION L0001554     VOLUME   468619.146 3767885.358 271.75
   LOCATION L0001555     VOLUME   468627.720 3767884.835 271.85
   LOCATION L0001556     VOLUME   468636.294 3767884.313 271.96
   LOCATION L0001557     VOLUME   468644.868 3767883.791 272.00
   LOCATION L0001558     VOLUME   468653.442 3767883.268 272.00
** END OF LINE VOLUME SOURCE ID = SLINE4
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE5
** DESCRSRC ON-SITE TRAVEL BUILDING 2
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00007813
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 7
** 468324.163, 3768066.517, 272.55, 3.49, 4.00
** 468319.965, 3767891.140, 270.00, 3.49, 4.00
** 468326.495, 3767881.344, 270.00, 3.49, 4.00
** 468672.586, 3767864.087, 272.00, 3.49, 4.00
** 468677.251, 3767951.776, 272.00, 3.49, 4.00
** 468677.717, 3768007.747, 272.80, 3.49, 4.00
** 468650.198, 3768070.715, 275.52, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001559     VOLUME   468324.060 3768062.224 272.05
   LOCATION L0001560     VOLUME   468323.854 3768053.636 271.48
   LOCATION L0001561     VOLUME   468323.649 3768045.049 271.00
   LOCATION L0001562     VOLUME   468323.443 3768036.461 271.00
   LOCATION L0001563     VOLUME   468323.238 3768027.874 271.00
   LOCATION L0001564     VOLUME   468323.032 3768019.286 271.00
   LOCATION L0001565     VOLUME   468322.826 3768010.698 270.89
   LOCATION L0001566     VOLUME   468322.621 3768002.111 270.73
   LOCATION L0001567     VOLUME   468322.415 3767993.523 270.56
   LOCATION L0001568     VOLUME   468322.210 3767984.936 270.40
   LOCATION L0001569     VOLUME   468322.004 3767976.348 270.27
   LOCATION L0001570     VOLUME   468321.799 3767967.761 270.15
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LOCATION	L0001571	VOLUME	468321.593	3767959.173	270.04
LOCATION	L0001572	VOLUME	468321.388	3767950.586	270.00
LOCATION	L0001573	VOLUME	468321.182	3767941.998	270.00
LOCATION	L0001574	VOLUME	468320.977	3767933.411	270.00
LOCATION	L0001575	VOLUME	468320.771	3767924.823	270.00
LOCATION	L0001576	VOLUME	468320.565	3767916.235	270.00
LOCATION	L0001577	VOLUME	468320.360	3767907.648	270.00
LOCATION	L0001578	VOLUME	468320.154	3767899.060	270.00
LOCATION	L0001579	VOLUME	468320.335	3767890.585	270.00
LOCATION	L0001580	VOLUME	468325.099	3767883.437	270.00
LOCATION	L0001581	VOLUME	468332.562	3767881.042	270.00
LOCATION	L0001582	VOLUME	468341.141	3767880.614	270.00
LOCATION	L0001583	VOLUME	468349.721	3767880.186	270.00
LOCATION	L0001584	VOLUME	468358.300	3767879.759	270.00
LOCATION	L0001585	VOLUME	468366.879	3767879.331	270.00
LOCATION	L0001586	VOLUME	468375.459	3767878.903	270.00
LOCATION	L0001587	VOLUME	468384.038	3767878.475	270.00
LOCATION	L0001588	VOLUME	468392.617	3767878.047	270.00
LOCATION	L0001589	VOLUME	468401.197	3767877.619	270.00
LOCATION	L0001590	VOLUME	468409.776	3767877.192	270.00
LOCATION	L0001591	VOLUME	468418.355	3767876.764	270.00
LOCATION	L0001592	VOLUME	468426.935	3767876.336	270.00
LOCATION	L0001593	VOLUME	468435.514	3767875.908	270.06
LOCATION	L0001594	VOLUME	468444.093	3767875.480	270.14
LOCATION	L0001595	VOLUME	468452.673	3767875.053	270.22
LOCATION	L0001596	VOLUME	468461.252	3767874.625	270.31
LOCATION	L0001597	VOLUME	468469.831	3767874.197	270.51
LOCATION	L0001598	VOLUME	468478.411	3767873.769	270.72
LOCATION	L0001599	VOLUME	468486.990	3767873.341	270.93
LOCATION	L0001600	VOLUME	468495.569	3767872.914	271.00
LOCATION	L0001601	VOLUME	468504.149	3767872.486	271.00
LOCATION	L0001602	VOLUME	468512.728	3767872.058	271.00
LOCATION	L0001603	VOLUME	468521.307	3767871.630	271.00
LOCATION	L0001604	VOLUME	468529.887	3767871.202	271.00
LOCATION	L0001605	VOLUME	468538.466	3767870.774	271.00
LOCATION	L0001606	VOLUME	468547.045	3767870.347	271.00
LOCATION	L0001607	VOLUME	468555.625	3767869.919	271.00
LOCATION	L0001608	VOLUME	468564.204	3767869.491	271.00
LOCATION	L0001609	VOLUME	468572.783	3767869.063	271.00
LOCATION	L0001610	VOLUME	468581.363	3767868.635	271.00
LOCATION	L0001611	VOLUME	468589.942	3767868.208	271.02
LOCATION	L0001612	VOLUME	468598.521	3767867.780	271.03
LOCATION	L0001613	VOLUME	468607.101	3767867.352	271.03
LOCATION	L0001614	VOLUME	468615.680	3767866.924	271.21
LOCATION	L0001615	VOLUME	468624.259	3767866.496	271.49
LOCATION	L0001616	VOLUME	468632.839	3767866.069	271.77
LOCATION	L0001617	VOLUME	468641.418	3767865.641	272.00
LOCATION	L0001618	VOLUME	468649.997	3767865.213	272.00
LOCATION	L0001619	VOLUME	468658.577	3767864.785	272.00
LOCATION	L0001620	VOLUME	468667.156	3767864.357	272.00

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   LOCATION L0001621     VOLUME   468672.754 3767867.235 272.00
   LOCATION L0001622     VOLUME   468673.210 3767875.813 272.00
   LOCATION L0001623     VOLUME   468673.666 3767884.391 272.00
   LOCATION L0001624     VOLUME   468674.123 3767892.969 272.00
   LOCATION L0001625     VOLUME   468674.579 3767901.547 272.00
   LOCATION L0001626     VOLUME   468675.035 3767910.125 272.00
   LOCATION L0001627     VOLUME   468675.491 3767918.702 272.00
   LOCATION L0001628     VOLUME   468675.948 3767927.280 272.00
   LOCATION L0001629     VOLUME   468676.404 3767935.858 272.00
   LOCATION L0001630     VOLUME   468676.860 3767944.436 272.00
   LOCATION L0001631     VOLUME   468677.261 3767953.016 272.00
   LOCATION L0001632     VOLUME   468677.332 3767961.605 272.00
   LOCATION L0001633     VOLUME   468677.404 3767970.195 272.00
   LOCATION L0001634     VOLUME   468677.476 3767978.785 272.00
   LOCATION L0001635     VOLUME   468677.547 3767987.374 272.03
   LOCATION L0001636     VOLUME   468677.619 3767995.964 272.32
   LOCATION L0001637     VOLUME   468677.690 3768004.554 272.60
   LOCATION L0001638     VOLUME   468675.556 3768012.692 272.87
   LOCATION L0001639     VOLUME   468672.116 3768020.563 273.14
   LOCATION L0001640     VOLUME   468668.676 3768028.434 273.39
   LOCATION L0001641     VOLUME   468665.236 3768036.306 273.56
   LOCATION L0001642     VOLUME   468661.796 3768044.177 273.68
   LOCATION L0001643     VOLUME   468658.356 3768052.048 274.07
   LOCATION L0001644     VOLUME   468654.916 3768059.919 274.63
   LOCATION L0001645     VOLUME   468651.476 3768067.790 275.25
** END OF LINE VOLUME SOURCE ID = SLINE5
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE6
** DESCRSRC OFF-SITE TRAVEL 20%
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00001777
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 10
** 467634.175, 3767921.366, 271.77, 3.49, 4.00
** 467560.408, 3767900.712, 270.00, 3.49, 4.00
** 467482.215, 3767859.402, 268.39, 3.49, 4.00
** 467412.873, 3767804.814, 268.00, 3.49, 4.00
** 467241.734, 3767686.787, 268.15, 3.49, 4.00
** 467100.101, 3767579.087, 267.26, 3.49, 4.00
** 467054.365, 3767537.777, 267.97, 3.49, 4.00
** 467005.679, 3767462.535, 268.12, 3.49, 4.00
** 466943.714, 3767388.767, 268.10, 3.49, 4.00
** 466866.996, 3767307.623, 267.10, 3.49, 4.00
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   LOCATION L0001646     VOLUME   467630.039 3767920.208 271.51
   LOCATION L0001647     VOLUME   467621.767 3767917.892 271.41
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LOCATION	L0001648	VOLUME	467613.495	3767915.576	271.40
LOCATION	L0001649	VOLUME	467605.223	3767913.260	271.39
LOCATION	L0001650	VOLUME	467596.952	3767910.944	271.33
LOCATION	L0001651	VOLUME	467588.680	3767908.628	271.21
LOCATION	L0001652	VOLUME	467580.408	3767906.312	270.98
LOCATION	L0001653	VOLUME	467572.136	3767903.995	270.75
LOCATION	L0001654	VOLUME	467563.864	3767901.679	270.52
LOCATION	L0001655	VOLUME	467555.986	3767898.376	270.30
LOCATION	L0001656	VOLUME	467548.391	3767894.363	270.30
LOCATION	L0001657	VOLUME	467540.796	3767890.350	270.42
LOCATION	L0001658	VOLUME	467533.200	3767886.338	270.54
LOCATION	L0001659	VOLUME	467525.605	3767882.325	270.54
LOCATION	L0001660	VOLUME	467518.010	3767878.313	270.31
LOCATION	L0001661	VOLUME	467510.415	3767874.300	269.95
LOCATION	L0001662	VOLUME	467502.820	3767870.288	269.46
LOCATION	L0001663	VOLUME	467495.224	3767866.275	268.85
LOCATION	L0001664	VOLUME	467487.629	3767862.262	268.52
LOCATION	L0001665	VOLUME	467480.277	3767857.876	268.25
LOCATION	L0001666	VOLUME	467473.527	3767852.563	268.07
LOCATION	L0001667	VOLUME	467466.778	3767847.250	268.07
LOCATION	L0001668	VOLUME	467460.028	3767841.936	268.12
LOCATION	L0001669	VOLUME	467453.279	3767836.623	268.00
LOCATION	L0001670	VOLUME	467446.529	3767831.309	268.00
LOCATION	L0001671	VOLUME	467439.780	3767825.996	268.00
LOCATION	L0001672	VOLUME	467433.030	3767820.682	268.10
LOCATION	L0001673	VOLUME	467426.281	3767815.369	268.13
LOCATION	L0001674	VOLUME	467419.531	3767810.056	268.08
LOCATION	L0001675	VOLUME	467412.777	3767804.748	267.99
LOCATION	L0001676	VOLUME	467405.706	3767799.871	268.00
LOCATION	L0001677	VOLUME	467398.635	3767794.994	268.00
LOCATION	L0001678	VOLUME	467391.563	3767790.118	268.00
LOCATION	L0001679	VOLUME	467384.492	3767785.241	268.00
LOCATION	L0001680	VOLUME	467377.420	3767780.364	268.04
LOCATION	L0001681	VOLUME	467370.349	3767775.487	268.00
LOCATION	L0001682	VOLUME	467363.278	3767770.610	268.00
LOCATION	L0001683	VOLUME	467356.206	3767765.733	268.00
LOCATION	L0001684	VOLUME	467349.135	3767760.857	268.02
LOCATION	L0001685	VOLUME	467342.064	3767755.980	268.24
LOCATION	L0001686	VOLUME	467334.992	3767751.103	268.22
LOCATION	L0001687	VOLUME	467327.921	3767746.226	268.00
LOCATION	L0001688	VOLUME	467320.849	3767741.349	267.99
LOCATION	L0001689	VOLUME	467313.778	3767736.473	268.26
LOCATION	L0001690	VOLUME	467306.707	3767731.596	268.43
LOCATION	L0001691	VOLUME	467299.635	3767726.719	268.45
LOCATION	L0001692	VOLUME	467292.564	3767721.842	268.32
LOCATION	L0001693	VOLUME	467285.492	3767716.965	268.04
LOCATION	L0001694	VOLUME	467278.421	3767712.088	268.00
LOCATION	L0001695	VOLUME	467271.350	3767707.212	268.00
LOCATION	L0001696	VOLUME	467264.278	3767702.335	268.00
LOCATION	L0001697	VOLUME	467257.207	3767697.458	268.09

LOCATION	L0001698	VOLUME	467250.135	3767692.581	268.19
LOCATION	L0001699	VOLUME	467243.064	3767687.704	268.07
LOCATION	L0001700	VOLUME	467236.182	3767682.565	268.00
LOCATION	L0001701	VOLUME	467229.345	3767677.366	268.02
LOCATION	L0001702	VOLUME	467222.507	3767672.167	268.37
LOCATION	L0001703	VOLUME	467215.669	3767666.967	268.49
LOCATION	L0001704	VOLUME	467208.832	3767661.768	268.36
LOCATION	L0001705	VOLUME	467201.994	3767656.568	268.01
LOCATION	L0001706	VOLUME	467195.156	3767651.369	268.24
LOCATION	L0001707	VOLUME	467188.319	3767646.169	268.49
LOCATION	L0001708	VOLUME	467181.481	3767640.970	268.58
LOCATION	L0001709	VOLUME	467174.643	3767635.770	268.51
LOCATION	L0001710	VOLUME	467167.806	3767630.571	268.35
LOCATION	L0001711	VOLUME	467160.968	3767625.371	268.24
LOCATION	L0001712	VOLUME	467154.130	3767620.172	268.20
LOCATION	L0001713	VOLUME	467147.293	3767614.972	268.07
LOCATION	L0001714	VOLUME	467140.455	3767609.773	267.87
LOCATION	L0001715	VOLUME	467133.617	3767604.573	267.90
LOCATION	L0001716	VOLUME	467126.780	3767599.374	267.74
LOCATION	L0001717	VOLUME	467119.942	3767594.174	267.60
LOCATION	L0001718	VOLUME	467113.104	3767588.975	267.66
LOCATION	L0001719	VOLUME	467106.267	3767583.776	267.69
LOCATION	L0001720	VOLUME	467099.475	3767578.521	267.74
LOCATION	L0001721	VOLUME	467093.100	3767572.763	267.76
LOCATION	L0001722	VOLUME	467086.725	3767567.006	267.78
LOCATION	L0001723	VOLUME	467080.351	3767561.248	267.80
LOCATION	L0001724	VOLUME	467073.976	3767555.490	267.70
LOCATION	L0001725	VOLUME	467067.601	3767549.732	267.66
LOCATION	L0001726	VOLUME	467061.227	3767543.975	267.71
LOCATION	L0001727	VOLUME	467054.852	3767538.217	267.83
LOCATION	L0001728	VOLUME	467050.055	3767531.116	267.81
LOCATION	L0001729	VOLUME	467045.388	3767523.904	267.72
LOCATION	L0001730	VOLUME	467040.722	3767516.692	267.63
LOCATION	L0001731	VOLUME	467036.055	3767509.480	267.55
LOCATION	L0001732	VOLUME	467031.389	3767502.269	267.61
LOCATION	L0001733	VOLUME	467026.722	3767495.057	267.76
LOCATION	L0001734	VOLUME	467022.056	3767487.845	267.92
LOCATION	L0001735	VOLUME	467017.389	3767480.633	268.01
LOCATION	L0001736	VOLUME	467012.723	3767473.421	268.00
LOCATION	L0001737	VOLUME	467008.056	3767466.209	268.00
LOCATION	L0001738	VOLUME	467002.969	3767459.308	268.00
LOCATION	L0001739	VOLUME	466997.443	3767452.731	268.00
LOCATION	L0001740	VOLUME	466991.918	3767446.153	268.00
LOCATION	L0001741	VOLUME	466986.393	3767439.576	268.08
LOCATION	L0001742	VOLUME	466980.868	3767432.999	268.16
LOCATION	L0001743	VOLUME	466975.343	3767426.421	268.16
LOCATION	L0001744	VOLUME	466969.818	3767419.844	268.07
LOCATION	L0001745	VOLUME	466964.293	3767413.266	268.00
LOCATION	L0001746	VOLUME	466958.768	3767406.689	268.04
LOCATION	L0001747	VOLUME	466953.243	3767400.112	268.19

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   LOCATION L0001748     VOLUME   466947.718 3767393.534 268.19
   LOCATION L0001749     VOLUME   466942.090 3767387.049 268.02
   LOCATION L0001750     VOLUME   466936.188 3767380.807 267.96
   LOCATION L0001751     VOLUME   466930.287 3767374.565 267.99
   LOCATION L0001752     VOLUME   466924.385 3767368.323 268.14
   LOCATION L0001753     VOLUME   466918.484 3767362.082 268.14
   LOCATION L0001754     VOLUME   466912.583 3767355.840 267.99
   LOCATION L0001755     VOLUME   466906.681 3767349.598 267.95
   LOCATION L0001756     VOLUME   466900.780 3767343.356 267.98
   LOCATION L0001757     VOLUME   466894.878 3767337.114 268.06
   LOCATION L0001758     VOLUME   466888.977 3767330.872 268.05
   LOCATION L0001759     VOLUME   466883.075 3767324.630 267.94
   LOCATION L0001760     VOLUME   466877.174 3767318.388 267.73
   LOCATION L0001761     VOLUME   466871.273 3767312.146 267.52
** END OF LINE VOLUME SOURCE ID = SLINE6
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE7
** DESCRSRC 15% OFF-SITE TRAVEL B/W DWY. 1 AND 3
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 9.613E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 10
** 468324.636, 3768086.605, 272.85, 3.49, 4.00
** 468233.164, 3768089.556, 272.92, 3.49, 4.00
** 468178.577, 3768085.129, 272.98, 3.49, 4.00
** 468118.088, 3768060.049, 274.47, 3.49, 4.00
** 468057.598, 3768037.919, 275.62, 3.49, 4.00
** 468003.011, 3768005.461, 273.90, 3.49, 4.00
** 467918.916, 3767974.479, 272.05, 3.49, 4.00
** 467828.920, 3767959.725, 272.99, 3.49, 4.00
** 467679.911, 3767930.218, 271.98, 3.49, 4.00
** 467632.700, 3767922.842, 271.81, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001762     VOLUME   468320.343 3768086.743 273.68
   LOCATION L0001763     VOLUME   468311.757 3768087.020 273.70
   LOCATION L0001764     VOLUME   468303.172 3768087.297 273.72
   LOCATION L0001765     VOLUME   468294.586 3768087.574 273.74
   LOCATION L0001766     VOLUME   468286.001 3768087.851 273.76
   LOCATION L0001767     VOLUME   468277.415 3768088.128 273.78
   LOCATION L0001768     VOLUME   468268.830 3768088.405 273.80
   LOCATION L0001769     VOLUME   468260.244 3768088.682 273.81
   LOCATION L0001770     VOLUME   468251.659 3768088.959 273.83
   LOCATION L0001771     VOLUME   468243.073 3768089.236 273.85
   LOCATION L0001772     VOLUME   468234.488 3768089.513 273.87
   LOCATION L0001773     VOLUME   468225.922 3768088.968 273.83
   LOCATION L0001774     VOLUME   468217.360 3768088.274 273.79
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LOCATION	L0001775	VOLUME	468208.798	3768087.580	273.74
LOCATION	L0001776	VOLUME	468200.236	3768086.886	273.69
LOCATION	L0001777	VOLUME	468191.674	3768086.191	273.65
LOCATION	L0001778	VOLUME	468183.113	3768085.497	273.86
LOCATION	L0001779	VOLUME	468174.845	3768083.582	273.94
LOCATION	L0001780	VOLUME	468166.910	3768080.292	273.64
LOCATION	L0001781	VOLUME	468158.976	3768077.002	273.13
LOCATION	L0001782	VOLUME	468151.041	3768073.712	273.17
LOCATION	L0001783	VOLUME	468143.106	3768070.422	273.24
LOCATION	L0001784	VOLUME	468135.171	3768067.132	273.25
LOCATION	L0001785	VOLUME	468127.236	3768063.842	273.28
LOCATION	L0001786	VOLUME	468119.301	3768060.552	273.44
LOCATION	L0001787	VOLUME	468111.254	3768057.549	273.58
LOCATION	L0001788	VOLUME	468103.187	3768054.597	273.66
LOCATION	L0001789	VOLUME	468095.120	3768051.646	273.72
LOCATION	L0001790	VOLUME	468087.053	3768048.694	273.70
LOCATION	L0001791	VOLUME	468078.986	3768045.743	273.66
LOCATION	L0001792	VOLUME	468070.919	3768042.792	273.83
LOCATION	L0001793	VOLUME	468062.852	3768039.840	274.53
LOCATION	L0001794	VOLUME	468055.023	3768036.387	275.12
LOCATION	L0001795	VOLUME	468047.640	3768031.997	275.39
LOCATION	L0001796	VOLUME	468040.256	3768027.607	275.44
LOCATION	L0001797	VOLUME	468032.873	3768023.217	275.10
LOCATION	L0001798	VOLUME	468025.489	3768018.827	274.46
LOCATION	L0001799	VOLUME	468018.106	3768014.436	273.86
LOCATION	L0001800	VOLUME	468010.722	3768010.046	273.57
LOCATION	L0001801	VOLUME	468003.339	3768005.656	273.68
LOCATION	L0001802	VOLUME	467995.309	3768002.623	273.85
LOCATION	L0001803	VOLUME	467987.248	3767999.654	273.86
LOCATION	L0001804	VOLUME	467979.188	3767996.684	273.72
LOCATION	L0001805	VOLUME	467971.128	3767993.715	273.48
LOCATION	L0001806	VOLUME	467963.067	3767990.745	273.02
LOCATION	L0001807	VOLUME	467955.007	3767987.775	272.36
LOCATION	L0001808	VOLUME	467946.947	3767984.806	271.97
LOCATION	L0001809	VOLUME	467938.886	3767981.836	271.99
LOCATION	L0001810	VOLUME	467930.826	3767978.866	271.96
LOCATION	L0001811	VOLUME	467922.766	3767975.897	271.87
LOCATION	L0001812	VOLUME	467914.488	3767973.753	272.04
LOCATION	L0001813	VOLUME	467906.011	3767972.363	272.47
LOCATION	L0001814	VOLUME	467897.534	3767970.973	272.94
LOCATION	L0001815	VOLUME	467889.057	3767969.584	273.44
LOCATION	L0001816	VOLUME	467880.580	3767968.194	273.39
LOCATION	L0001817	VOLUME	467872.103	3767966.804	273.34
LOCATION	L0001818	VOLUME	467863.626	3767965.415	273.30
LOCATION	L0001819	VOLUME	467855.150	3767964.025	273.25
LOCATION	L0001820	VOLUME	467846.673	3767962.636	273.21
LOCATION	L0001821	VOLUME	467838.196	3767961.246	273.16
LOCATION	L0001822	VOLUME	467829.719	3767959.856	273.11
LOCATION	L0001823	VOLUME	467821.288	3767958.214	273.07
LOCATION	L0001824	VOLUME	467812.862	3767956.545	273.00

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   LOCATION L0001825     VOLUME   467804.435 3767954.877 272.95
   LOCATION L0001826     VOLUME   467796.009 3767953.208 272.89
   LOCATION L0001827     VOLUME   467787.582 3767951.540 272.84
   LOCATION L0001828     VOLUME   467779.156 3767949.871 272.78
   LOCATION L0001829     VOLUME   467770.730 3767948.202 272.72
   LOCATION L0001830     VOLUME   467762.303 3767946.534 272.67
   LOCATION L0001831     VOLUME   467753.877 3767944.865 272.61
   LOCATION L0001832     VOLUME   467745.450 3767943.197 272.56
   LOCATION L0001833     VOLUME   467737.024 3767941.528 272.54
   LOCATION L0001834     VOLUME   467728.598 3767939.859 272.61
   LOCATION L0001835     VOLUME   467720.171 3767938.191 272.64
   LOCATION L0001836     VOLUME   467711.745 3767936.522 272.65
   LOCATION L0001837     VOLUME   467703.319 3767934.854 272.62
   LOCATION L0001838     VOLUME   467694.892 3767933.185 272.56
   LOCATION L0001839     VOLUME   467686.466 3767931.516 272.46
   LOCATION L0001840     VOLUME   467678.026 3767929.924 272.36
   LOCATION L0001841     VOLUME   467669.539 3767928.598 272.28
   LOCATION L0001842     VOLUME   467661.052 3767927.272 272.13
   LOCATION L0001843     VOLUME   467652.565 3767925.946 271.95
   LOCATION L0001844     VOLUME   467644.078 3767924.620 271.82
   LOCATION L0001845     VOLUME   467635.591 3767923.293 271.73
** END OF LINE VOLUME SOURCE ID = SLINE7
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE8
** DESCRSRC 50% OFF-SITE TRAVEL B/W DWY. 3 AND 4
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0000144
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 5
** 468330.915, 3768086.954, 272.86, 3.49, 4.00
** 468415.375, 3768075.823, 272.90, 3.49, 4.00
** 468499.181, 3768073.859, 273.82, 3.49, 4.00
** 468582.987, 3768071.895, 274.88, 3.49, 4.00
** 468653.043, 3768081.716, 275.72, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0001846     VOLUME   468335.173 3768086.392 273.66
   LOCATION L0001847     VOLUME   468343.689 3768085.270 273.59
   LOCATION L0001848     VOLUME   468352.206 3768084.148 273.51
   LOCATION L0001849     VOLUME   468360.722 3768083.026 273.44
   LOCATION L0001850     VOLUME   468369.238 3768081.903 273.36
   LOCATION L0001851     VOLUME   468377.755 3768080.781 273.29
   LOCATION L0001852     VOLUME   468386.271 3768079.659 273.21
   LOCATION L0001853     VOLUME   468394.787 3768078.536 273.14
   LOCATION L0001854     VOLUME   468403.304 3768077.414 273.06
   LOCATION L0001855     VOLUME   468411.820 3768076.292 272.99
   LOCATION L0001856     VOLUME   468420.378 3768075.706 272.97
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   LOCATION L0001857     VOLUME   468428.966 3768075.505 272.97
   LOCATION L0001858     VOLUME   468437.553 3768075.303 273.22
   LOCATION L0001859     VOLUME   468446.141 3768075.102 273.48
   LOCATION L0001860     VOLUME   468454.729 3768074.901 273.74
   LOCATION L0001861     VOLUME   468463.316 3768074.700 273.88
   LOCATION L0001862     VOLUME   468471.904 3768074.498 273.87
   LOCATION L0001863     VOLUME   468480.492 3768074.297 273.85
   LOCATION L0001864     VOLUME   468489.079 3768074.096 273.84
   LOCATION L0001865     VOLUME   468497.667 3768073.894 273.85
   LOCATION L0001866     VOLUME   468506.255 3768073.693 273.87
   LOCATION L0001867     VOLUME   468514.842 3768073.492 273.88
   LOCATION L0001868     VOLUME   468523.430 3768073.291 274.01
   LOCATION L0001869     VOLUME   468532.017 3768073.089 274.25
   LOCATION L0001870     VOLUME   468540.605 3768072.888 274.50
   LOCATION L0001871     VOLUME   468549.193 3768072.687 274.74
   LOCATION L0001872     VOLUME   468557.780 3768072.486 274.73
   LOCATION L0001873     VOLUME   468566.368 3768072.284 274.72
   LOCATION L0001874     VOLUME   468574.956 3768072.083 274.71
   LOCATION L0001875     VOLUME   468583.538 3768071.972 274.70
   LOCATION L0001876     VOLUME   468592.045 3768073.165 274.78
   LOCATION L0001877     VOLUME   468600.552 3768074.357 274.86
   LOCATION L0001878     VOLUME   468609.059 3768075.550 274.94
   LOCATION L0001879     VOLUME   468617.565 3768076.742 275.29
   LOCATION L0001880     VOLUME   468626.072 3768077.935 275.67
   LOCATION L0001881     VOLUME   468634.579 3768079.127 276.02
   LOCATION L0001882     VOLUME   468643.086 3768080.320 276.26
   LOCATION L0001883     VOLUME   468651.593 3768081.512 276.34
** END OF LINE VOLUME SOURCE ID = SLINE8
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE9
** DESCRSRC OFF-SITE TRAVEL 80% AGUA MANSA TO RANCHO
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00003233
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 4
** 468658.088, 3768084.205, 275.75, 3.49, 4.00
** 468795.454, 3768129.994, 277.80, 3.49, 4.00
** 468884.488, 3768163.064, 277.98, 3.49, 4.00
** 469095.625, 3768199.949, 279.00, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0001884     VOLUME   468662.162 3768085.563 276.61
   LOCATION L0001885     VOLUME   468670.312 3768088.280 276.79
   LOCATION L0001886     VOLUME   468678.461 3768090.996 276.97
   LOCATION L0001887     VOLUME   468686.610 3768093.713 277.15
   LOCATION L0001888     VOLUME   468694.759 3768096.429 277.33
   LOCATION L0001889     VOLUME   468702.908 3768099.145 277.51
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   LOCATION L0001890     VOLUME   468711.058 3768101.862 277.69
   LOCATION L0001891     VOLUME   468719.207 3768104.578 277.87
   LOCATION L0001892     VOLUME   468727.356 3768107.295 278.06
   LOCATION L0001893     VOLUME   468735.505 3768110.011 278.04
   LOCATION L0001894     VOLUME   468743.654 3768112.727 277.95
   LOCATION L0001895     VOLUME   468751.803 3768115.444 277.86
   LOCATION L0001896     VOLUME   468759.953 3768118.160 277.77
   LOCATION L0001897     VOLUME   468768.102 3768120.877 277.68
   LOCATION L0001898     VOLUME   468776.251 3768123.593 277.59
   LOCATION L0001899     VOLUME   468784.400 3768126.309 277.50
   LOCATION L0001900     VOLUME   468792.549 3768129.026 277.50
   LOCATION L0001901     VOLUME   468800.636 3768131.919 277.70
   LOCATION L0001902     VOLUME   468808.689 3768134.910 277.90
   LOCATION L0001903     VOLUME   468816.741 3768137.901 278.05
   LOCATION L0001904     VOLUME   468824.794 3768140.892 278.00
   LOCATION L0001905     VOLUME   468832.846 3768143.883 277.92
   LOCATION L0001906     VOLUME   468840.899 3768146.873 277.88
   LOCATION L0001907     VOLUME   468848.951 3768149.864 277.91
   LOCATION L0001908     VOLUME   468857.004 3768152.855 277.96
   LOCATION L0001909     VOLUME   468865.056 3768155.846 277.96
   LOCATION L0001910     VOLUME   468873.109 3768158.837 277.91
   LOCATION L0001911     VOLUME   468881.161 3768161.828 277.85
   LOCATION L0001912     VOLUME   468889.454 3768163.931 277.92
   LOCATION L0001913     VOLUME   468897.916 3768165.409 277.96
   LOCATION L0001914     VOLUME   468906.378 3768166.888 278.01
   LOCATION L0001915     VOLUME   468914.839 3768168.366 278.06
   LOCATION L0001916     VOLUME   468923.301 3768169.844 278.11
   LOCATION L0001917     VOLUME   468931.763 3768171.323 278.16
   LOCATION L0001918     VOLUME   468940.225 3768172.801 278.21
   LOCATION L0001919     VOLUME   468948.687 3768174.279 278.26
   LOCATION L0001920     VOLUME   468957.149 3768175.757 278.31
   LOCATION L0001921     VOLUME   468965.611 3768177.236 278.36
   LOCATION L0001922     VOLUME   468974.072 3768178.714 278.50
   LOCATION L0001923     VOLUME   468982.534 3768180.192 278.69
   LOCATION L0001924     VOLUME   468990.996 3768181.671 278.86
   LOCATION L0001925     VOLUME   468999.458 3768183.149 279.00
   LOCATION L0001926     VOLUME   469007.920 3768184.627 279.00
   LOCATION L0001927     VOLUME   469016.382 3768186.105 279.00
   LOCATION L0001928     VOLUME   469024.843 3768187.584 279.00
   LOCATION L0001929     VOLUME   469033.305 3768189.062 279.00
   LOCATION L0001930     VOLUME   469041.767 3768190.540 279.00
   LOCATION L0001931     VOLUME   469050.229 3768192.018 279.00
   LOCATION L0001932     VOLUME   469058.691 3768193.497 279.00
   LOCATION L0001933     VOLUME   469067.153 3768194.975 279.00
   LOCATION L0001934     VOLUME   469075.614 3768196.453 279.00
   LOCATION L0001935     VOLUME   469084.076 3768197.932 279.05
   LOCATION L0001936     VOLUME   469092.538 3768199.410 279.10
** END OF LINE VOLUME SOURCE ID = SLINE9
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
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** LINE VOLUME SOURCE ID = SLINE10
** DESCRSRC OFF-SITE TRAVEL 35% RANCHO
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002972
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 8
** 469103.463, 3768207.915, 279.00, 3.49, 4.00
** 469099.893, 3768370.350, 284.85, 3.49, 4.00
** 469101.678, 3768482.806, 288.65, 3.49, 4.00
** 469135.593, 3768589.906, 292.92, 3.49, 4.00
** 469155.228, 3768645.241, 293.92, 3.49, 4.00
** 469196.283, 3768863.012, 296.55, 3.49, 4.00
** 469217.703, 3768993.318, 296.85, 3.49, 4.00
** 469246.263, 3769145.043, 298.07, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0001937     VOLUME   469103.369 3768212.209 279.52
   LOCATION L0001938     VOLUME   469103.180 3768220.796 279.81
   LOCATION L0001939     VOLUME   469102.991 3768229.384 280.10
   LOCATION L0001940     VOLUME   469102.802 3768237.972 280.38
   LOCATION L0001941     VOLUME   469102.614 3768246.560 280.67
   LOCATION L0001942     VOLUME   469102.425 3768255.148 280.96
   LOCATION L0001943     VOLUME   469102.236 3768263.736 281.24
   LOCATION L0001944     VOLUME   469102.047 3768272.324 281.53
   LOCATION L0001945     VOLUME   469101.859 3768280.912 281.81
   LOCATION L0001946     VOLUME   469101.670 3768289.500 282.10
   LOCATION L0001947     VOLUME   469101.481 3768298.088 282.39
   LOCATION L0001948     VOLUME   469101.292 3768306.676 282.67
   LOCATION L0001949     VOLUME   469101.104 3768315.264 282.96
   LOCATION L0001950     VOLUME   469100.915 3768323.852 283.25
   LOCATION L0001951     VOLUME   469100.726 3768332.439 283.53
   LOCATION L0001952     VOLUME   469100.537 3768341.027 283.82
   LOCATION L0001953     VOLUME   469100.349 3768349.615 284.11
   LOCATION L0001954     VOLUME   469100.160 3768358.203 284.39
   LOCATION L0001955     VOLUME   469099.971 3768366.791 284.68
   LOCATION L0001956     VOLUME   469099.973 3768375.380 284.96
   LOCATION L0001957     VOLUME   469100.109 3768383.969 285.25
   LOCATION L0001958     VOLUME   469100.245 3768392.558 285.54
   LOCATION L0001959     VOLUME   469100.382 3768401.146 285.82
   LOCATION L0001960     VOLUME   469100.518 3768409.735 286.11
   LOCATION L0001961     VOLUME   469100.654 3768418.324 286.40
   LOCATION L0001962     VOLUME   469100.791 3768426.913 286.68
   LOCATION L0001963     VOLUME   469100.927 3768435.502 286.97
   LOCATION L0001964     VOLUME   469101.063 3768444.091 287.25
   LOCATION L0001965     VOLUME   469101.200 3768452.680 287.54
   LOCATION L0001966     VOLUME   469101.336 3768461.269 287.83
   LOCATION L0001967     VOLUME   469101.472 3768469.858 288.11
   LOCATION L0001968     VOLUME   469101.609 3768478.447 288.40
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LOCATION	L0001969	VOLUME	469102.955	3768486.839	288.68
LOCATION	L0001970	VOLUME	469105.548	3768495.028	288.95
LOCATION	L0001971	VOLUME	469108.142	3768503.217	289.45
LOCATION	L0001972	VOLUME	469110.735	3768511.406	290.00
LOCATION	L0001973	VOLUME	469113.328	3768519.596	290.54
LOCATION	L0001974	VOLUME	469115.921	3768527.785	291.04
LOCATION	L0001975	VOLUME	469118.515	3768535.974	291.32
LOCATION	L0001976	VOLUME	469121.108	3768544.163	291.57
LOCATION	L0001977	VOLUME	469123.701	3768552.352	291.84
LOCATION	L0001978	VOLUME	469126.294	3768560.542	292.14
LOCATION	L0001979	VOLUME	469128.888	3768568.731	292.41
LOCATION	L0001980	VOLUME	469131.481	3768576.920	292.68
LOCATION	L0001981	VOLUME	469134.074	3768585.109	292.96
LOCATION	L0001982	VOLUME	469136.783	3768593.260	293.10
LOCATION	L0001983	VOLUME	469139.656	3768601.355	293.17
LOCATION	L0001984	VOLUME	469142.528	3768609.451	293.18
LOCATION	L0001985	VOLUME	469145.401	3768617.546	293.17
LOCATION	L0001986	VOLUME	469148.273	3768625.641	293.34
LOCATION	L0001987	VOLUME	469151.146	3768633.737	293.53
LOCATION	L0001988	VOLUME	469154.018	3768641.832	293.70
LOCATION	L0001989	VOLUME	469156.149	3768650.128	293.81
LOCATION	L0001990	VOLUME	469157.741	3768658.569	293.84
LOCATION	L0001991	VOLUME	469159.332	3768667.011	293.90
LOCATION	L0001992	VOLUME	469160.924	3768675.452	293.99
LOCATION	L0001993	VOLUME	469162.515	3768683.893	294.14
LOCATION	L0001994	VOLUME	469164.106	3768692.335	294.27
LOCATION	L0001995	VOLUME	469165.698	3768700.776	294.38
LOCATION	L0001996	VOLUME	469167.289	3768709.217	294.50
LOCATION	L0001997	VOLUME	469168.881	3768717.658	294.73
LOCATION	L0001998	VOLUME	469170.472	3768726.100	294.96
LOCATION	L0001999	VOLUME	469172.063	3768734.541	295.19
LOCATION	L0002000	VOLUME	469173.655	3768742.982	295.20
LOCATION	L0002001	VOLUME	469175.246	3768751.424	295.15
LOCATION	L0002002	VOLUME	469176.837	3768759.865	295.09
LOCATION	L0002003	VOLUME	469178.429	3768768.306	295.10
LOCATION	L0002004	VOLUME	469180.020	3768776.748	295.34
LOCATION	L0002005	VOLUME	469181.612	3768785.189	295.58
LOCATION	L0002006	VOLUME	469183.203	3768793.630	295.80
LOCATION	L0002007	VOLUME	469184.794	3768802.071	296.02
LOCATION	L0002008	VOLUME	469186.386	3768810.513	296.24
LOCATION	L0002009	VOLUME	469187.977	3768818.954	296.47
LOCATION	L0002010	VOLUME	469189.569	3768827.395	296.67
LOCATION	L0002011	VOLUME	469191.160	3768835.837	296.62
LOCATION	L0002012	VOLUME	469192.751	3768844.278	296.56
LOCATION	L0002013	VOLUME	469194.343	3768852.719	296.51
LOCATION	L0002014	VOLUME	469195.934	3768861.161	296.46
LOCATION	L0002015	VOLUME	469197.371	3768869.629	296.41
LOCATION	L0002016	VOLUME	469198.764	3768878.105	296.36
LOCATION	L0002017	VOLUME	469200.158	3768886.582	296.32
LOCATION	L0002018	VOLUME	469201.551	3768895.058	296.48

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   LOCATION L0002019     VOLUME   469202.944 3768903.534 296.67
   LOCATION L0002020     VOLUME   469204.338 3768912.010 296.88
   LOCATION L0002021     VOLUME   469205.731 3768920.487 297.00
   LOCATION L0002022     VOLUME   469207.124 3768928.963 297.00
   LOCATION L0002023     VOLUME   469208.518 3768937.439 297.00
   LOCATION L0002024     VOLUME   469209.911 3768945.915 296.99
   LOCATION L0002025     VOLUME   469211.305 3768954.392 296.94
   LOCATION L0002026     VOLUME   469212.698 3768962.868 296.90
   LOCATION L0002027     VOLUME   469214.091 3768971.344 296.85
   LOCATION L0002028     VOLUME   469215.485 3768979.820 296.81
   LOCATION L0002029     VOLUME   469216.878 3768988.297 296.76
   LOCATION L0002030     VOLUME   469218.351 3768996.759 296.71
   LOCATION L0002031     VOLUME   469219.940 3769005.200 296.66
   LOCATION L0002032     VOLUME   469221.529 3769013.642 296.70
   LOCATION L0002033     VOLUME   469223.118 3769022.084 296.78
   LOCATION L0002034     VOLUME   469224.707 3769030.526 296.90
   LOCATION L0002035     VOLUME   469226.296 3769038.967 297.00
   LOCATION L0002036     VOLUME   469227.885 3769047.409 297.00
   LOCATION L0002037     VOLUME   469229.474 3769055.851 297.00
   LOCATION L0002038     VOLUME   469231.063 3769064.293 297.00
   LOCATION L0002039     VOLUME   469232.652 3769072.734 297.05
   LOCATION L0002040     VOLUME   469234.241 3769081.176 297.09
   LOCATION L0002041     VOLUME   469235.830 3769089.618 297.10
   LOCATION L0002042     VOLUME   469237.419 3769098.060 297.12
   LOCATION L0002043     VOLUME   469239.009 3769106.501 297.35
   LOCATION L0002044     VOLUME   469240.598 3769114.943 297.62
   LOCATION L0002045     VOLUME   469242.187 3769123.385 297.90
   LOCATION L0002046     VOLUME   469243.776 3769131.827 298.00
   LOCATION L0002047     VOLUME   469245.365 3769140.268 298.00
** END OF LINE VOLUME SOURCE ID = SLINE10
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE11
** DESCRSRC OFF-SITE TRAVEL 45%
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002558
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 7
** 469101.678, 3768197.204, 279.00, 3.49, 4.00
** 469173.078, 3767995.499, 276.06, 3.49, 4.00
** 469235.553, 3767843.773, 275.96, 3.49, 4.00
** 469283.749, 3767793.793, 275.00, 3.49, 4.00
** 469335.514, 3767765.233, 275.00, 3.49, 4.00
** 469412.269, 3767761.663, 275.85, 3.49, 4.00
** 469467.604, 3767763.448, 276.00, 3.49, 4.00
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   LOCATION L0002048     VOLUME   469103.111 3768193.156 279.00
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LOCATION	L0002049	VOLUME	469105.978	3768185.058	279.00
LOCATION	L0002050	VOLUME	469108.844	3768176.960	279.00
LOCATION	L0002051	VOLUME	469111.710	3768168.863	279.00
LOCATION	L0002052	VOLUME	469114.577	3768160.765	278.81
LOCATION	L0002053	VOLUME	469117.443	3768152.667	278.54
LOCATION	L0002054	VOLUME	469120.310	3768144.570	278.27
LOCATION	L0002055	VOLUME	469123.176	3768136.472	278.00
LOCATION	L0002056	VOLUME	469126.042	3768128.375	277.73
LOCATION	L0002057	VOLUME	469128.909	3768120.277	277.46
LOCATION	L0002058	VOLUME	469131.775	3768112.179	277.19
LOCATION	L0002059	VOLUME	469134.642	3768104.082	277.00
LOCATION	L0002060	VOLUME	469137.508	3768095.984	277.00
LOCATION	L0002061	VOLUME	469140.375	3768087.886	277.00
LOCATION	L0002062	VOLUME	469143.241	3768079.789	277.00
LOCATION	L0002063	VOLUME	469146.107	3768071.691	276.98
LOCATION	L0002064	VOLUME	469148.974	3768063.593	276.99
LOCATION	L0002065	VOLUME	469151.840	3768055.496	277.00
LOCATION	L0002066	VOLUME	469154.707	3768047.398	277.00
LOCATION	L0002067	VOLUME	469157.573	3768039.301	276.76
LOCATION	L0002068	VOLUME	469160.440	3768031.203	276.49
LOCATION	L0002069	VOLUME	469163.306	3768023.105	276.22
LOCATION	L0002070	VOLUME	469166.172	3768015.008	276.00
LOCATION	L0002071	VOLUME	469169.039	3768006.910	276.00
LOCATION	L0002072	VOLUME	469171.905	3767998.812	276.00
LOCATION	L0002073	VOLUME	469175.010	3767990.806	276.00
LOCATION	L0002074	VOLUME	469178.281	3767982.863	276.00
LOCATION	L0002075	VOLUME	469181.552	3767974.920	276.04
LOCATION	L0002076	VOLUME	469184.822	3767966.977	276.06
LOCATION	L0002077	VOLUME	469188.093	3767959.034	276.02
LOCATION	L0002078	VOLUME	469191.364	3767951.091	276.00
LOCATION	L0002079	VOLUME	469194.634	3767943.148	276.00
LOCATION	L0002080	VOLUME	469197.905	3767935.205	276.00
LOCATION	L0002081	VOLUME	469201.176	3767927.262	276.00
LOCATION	L0002082	VOLUME	469204.446	3767919.319	276.00
LOCATION	L0002083	VOLUME	469207.717	3767911.376	276.00
LOCATION	L0002084	VOLUME	469210.987	3767903.433	276.00
LOCATION	L0002085	VOLUME	469214.258	3767895.490	276.00
LOCATION	L0002086	VOLUME	469217.529	3767887.547	276.00
LOCATION	L0002087	VOLUME	469220.799	3767879.604	276.00
LOCATION	L0002088	VOLUME	469224.070	3767871.661	276.00
LOCATION	L0002089	VOLUME	469227.341	3767863.718	276.00
LOCATION	L0002090	VOLUME	469230.611	3767855.775	276.00
LOCATION	L0002091	VOLUME	469233.882	3767847.832	276.00
LOCATION	L0002092	VOLUME	469238.469	3767840.750	276.00
LOCATION	L0002093	VOLUME	469244.431	3767834.566	275.94
LOCATION	L0002094	VOLUME	469250.394	3767828.383	275.73
LOCATION	L0002095	VOLUME	469256.357	3767822.199	275.52
LOCATION	L0002096	VOLUME	469262.319	3767816.016	275.32
LOCATION	L0002097	VOLUME	469268.282	3767809.832	275.11
LOCATION	L0002098	VOLUME	469274.245	3767803.649	275.00

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   LOCATION L0002099     VOLUME   469280.207 3767797.465 275.00
   LOCATION L0002100     VOLUME   469286.803 3767792.108 275.00
   LOCATION L0002101     VOLUME   469294.324 3767787.958 275.00
   LOCATION L0002102     VOLUME   469301.845 3767783.809 275.00
   LOCATION L0002103     VOLUME   469309.366 3767779.659 275.00
   LOCATION L0002104     VOLUME   469316.888 3767775.509 275.00
   LOCATION L0002105     VOLUME   469324.409 3767771.360 275.00
   LOCATION L0002106     VOLUME   469331.930 3767767.210 275.00
   LOCATION L0002107     VOLUME   469340.006 3767765.024 275.00
   LOCATION L0002108     VOLUME   469348.587 3767764.625 275.00
   LOCATION L0002109     VOLUME   469357.167 3767764.226 275.00
   LOCATION L0002110     VOLUME   469365.748 3767763.826 275.00
   LOCATION L0002111     VOLUME   469374.329 3767763.427 275.00
   LOCATION L0002112     VOLUME   469382.909 3767763.028 275.00
   LOCATION L0002113     VOLUME   469391.490 3767762.629 275.06
   LOCATION L0002114     VOLUME   469400.071 3767762.230 275.35
   LOCATION L0002115     VOLUME   469408.652 3767761.831 275.63
   LOCATION L0002116     VOLUME   469417.235 3767761.823 275.92
   LOCATION L0002117     VOLUME   469425.821 3767762.100 276.00
   LOCATION L0002118     VOLUME   469434.406 3767762.377 276.00
   LOCATION L0002119     VOLUME   469442.992 3767762.654 276.00
   LOCATION L0002120     VOLUME   469451.577 3767762.931 276.00
   LOCATION L0002121     VOLUME   469460.163 3767763.208 276.00
** END OF LINE VOLUME SOURCE ID = SLINE11
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE12
** DESCRSRC OFF-SITE TRAVEL 20%
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00002595
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 9
** 469478.314, 3767761.663, 276.07, 3.49, 4.00
** 469508.660, 3768097.244, 279.81, 3.49, 4.00
** 469537.220, 3768247.185, 282.00, 3.49, 4.00
** 469562.210, 3768341.790, 283.71, 3.49, 4.00
** 469672.880, 3768504.226, 286.06, 3.49, 4.00
** 469733.570, 3768577.411, 286.06, 3.49, 4.00
** 469833.531, 3768709.502, 287.96, 3.49, 4.00
** 469933.491, 3768909.422, 290.88, 3.49, 4.00
** 469979.901, 3769093.278, 293.00, 3.49, 4.00
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   LOCATION L0002122     VOLUME   469478.701 3767765.940 276.00
   LOCATION L0002123     VOLUME   469479.475 3767774.495 276.00
   LOCATION L0002124     VOLUME   469480.248 3767783.050 276.02
   LOCATION L0002125     VOLUME   469481.022 3767791.606 276.05
   LOCATION L0002126     VOLUME   469481.796 3767800.161 276.07
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LOCATION	L0002127	VOLUME	469482.569	3767808.716	276.10
LOCATION	L0002128	VOLUME	469483.343	3767817.271	276.12
LOCATION	L0002129	VOLUME	469484.116	3767825.826	276.15
LOCATION	L0002130	VOLUME	469484.890	3767834.381	276.18
LOCATION	L0002131	VOLUME	469485.664	3767842.936	276.20
LOCATION	L0002132	VOLUME	469486.437	3767851.491	276.23
LOCATION	L0002133	VOLUME	469487.211	3767860.046	276.25
LOCATION	L0002134	VOLUME	469487.984	3767868.601	276.28
LOCATION	L0002135	VOLUME	469488.758	3767877.156	276.30
LOCATION	L0002136	VOLUME	469489.532	3767885.712	276.33
LOCATION	L0002137	VOLUME	469490.305	3767894.267	276.36
LOCATION	L0002138	VOLUME	469491.079	3767902.822	276.38
LOCATION	L0002139	VOLUME	469491.852	3767911.377	276.41
LOCATION	L0002140	VOLUME	469492.626	3767919.932	276.43
LOCATION	L0002141	VOLUME	469493.400	3767928.487	276.50
LOCATION	L0002142	VOLUME	469494.173	3767937.042	276.67
LOCATION	L0002143	VOLUME	469494.947	3767945.597	276.82
LOCATION	L0002144	VOLUME	469495.720	3767954.152	276.96
LOCATION	L0002145	VOLUME	469496.494	3767962.707	277.21
LOCATION	L0002146	VOLUME	469497.268	3767971.263	277.49
LOCATION	L0002147	VOLUME	469498.041	3767979.818	277.78
LOCATION	L0002148	VOLUME	469498.815	3767988.373	278.02
LOCATION	L0002149	VOLUME	469499.588	3767996.928	278.12
LOCATION	L0002150	VOLUME	469500.362	3768005.483	278.20
LOCATION	L0002151	VOLUME	469501.136	3768014.038	278.26
LOCATION	L0002152	VOLUME	469501.909	3768022.593	278.41
LOCATION	L0002153	VOLUME	469502.683	3768031.148	278.61
LOCATION	L0002154	VOLUME	469503.456	3768039.703	278.82
LOCATION	L0002155	VOLUME	469504.230	3768048.258	279.00
LOCATION	L0002156	VOLUME	469505.004	3768056.813	279.00
LOCATION	L0002157	VOLUME	469505.777	3768065.369	279.00
LOCATION	L0002158	VOLUME	469506.551	3768073.924	279.00
LOCATION	L0002159	VOLUME	469507.324	3768082.479	279.20
LOCATION	L0002160	VOLUME	469508.098	3768091.034	279.49
LOCATION	L0002161	VOLUME	469509.100	3768099.557	279.77
LOCATION	L0002162	VOLUME	469510.707	3768107.995	280.05
LOCATION	L0002163	VOLUME	469512.315	3768116.434	280.30
LOCATION	L0002164	VOLUME	469513.922	3768124.872	280.53
LOCATION	L0002165	VOLUME	469515.529	3768133.310	280.72
LOCATION	L0002166	VOLUME	469517.137	3768141.748	280.79
LOCATION	L0002167	VOLUME	469518.744	3768150.187	280.84
LOCATION	L0002168	VOLUME	469520.351	3768158.625	280.91
LOCATION	L0002169	VOLUME	469521.958	3768167.063	281.00
LOCATION	L0002170	VOLUME	469523.566	3768175.502	281.00
LOCATION	L0002171	VOLUME	469525.173	3768183.940	281.00
LOCATION	L0002172	VOLUME	469526.780	3768192.378	281.00
LOCATION	L0002173	VOLUME	469528.388	3768200.816	281.15
LOCATION	L0002174	VOLUME	469529.995	3768209.255	281.43
LOCATION	L0002175	VOLUME	469531.602	3768217.693	281.71
LOCATION	L0002176	VOLUME	469533.210	3768226.131	281.99

LOCATION	L0002177	VOLUME	469534.817	3768234.570	282.00
LOCATION	L0002178	VOLUME	469536.424	3768243.008	282.00
LOCATION	L0002179	VOLUME	469538.328	3768251.379	282.00
LOCATION	L0002180	VOLUME	469540.521	3768259.684	282.10
LOCATION	L0002181	VOLUME	469542.715	3768267.989	282.34
LOCATION	L0002182	VOLUME	469544.909	3768276.294	282.55
LOCATION	L0002183	VOLUME	469547.103	3768284.599	282.70
LOCATION	L0002184	VOLUME	469549.297	3768292.905	282.75
LOCATION	L0002185	VOLUME	469551.490	3768301.210	282.80
LOCATION	L0002186	VOLUME	469553.684	3768309.515	282.89
LOCATION	L0002187	VOLUME	469555.878	3768317.820	283.02
LOCATION	L0002188	VOLUME	469558.072	3768326.125	283.20
LOCATION	L0002189	VOLUME	469560.266	3768334.430	283.41
LOCATION	L0002190	VOLUME	469562.760	3768342.598	283.67
LOCATION	L0002191	VOLUME	469567.597	3768349.697	283.94
LOCATION	L0002192	VOLUME	469572.434	3768356.796	283.94
LOCATION	L0002193	VOLUME	469577.270	3768363.895	283.89
LOCATION	L0002194	VOLUME	469582.107	3768370.994	283.92
LOCATION	L0002195	VOLUME	469586.944	3768378.093	284.05
LOCATION	L0002196	VOLUME	469591.780	3768385.192	284.29
LOCATION	L0002197	VOLUME	469596.617	3768392.291	284.53
LOCATION	L0002198	VOLUME	469601.453	3768399.390	284.78
LOCATION	L0002199	VOLUME	469606.290	3768406.489	285.00
LOCATION	L0002200	VOLUME	469611.127	3768413.588	285.24
LOCATION	L0002201	VOLUME	469615.963	3768420.686	285.47
LOCATION	L0002202	VOLUME	469620.800	3768427.785	285.71
LOCATION	L0002203	VOLUME	469625.637	3768434.884	285.95
LOCATION	L0002204	VOLUME	469630.473	3768441.983	286.00
LOCATION	L0002205	VOLUME	469635.310	3768449.082	286.00
LOCATION	L0002206	VOLUME	469640.147	3768456.181	286.00
LOCATION	L0002207	VOLUME	469644.983	3768463.280	286.00
LOCATION	L0002208	VOLUME	469649.820	3768470.379	286.04
LOCATION	L0002209	VOLUME	469654.656	3768477.478	286.06
LOCATION	L0002210	VOLUME	469659.493	3768484.577	286.00
LOCATION	L0002211	VOLUME	469664.330	3768491.676	286.00
LOCATION	L0002212	VOLUME	469669.166	3768498.775	286.05
LOCATION	L0002213	VOLUME	469674.153	3768505.761	286.16
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LOCATION	L0002217	VOLUME	469696.086	3768532.210	286.00
LOCATION	L0002218	VOLUME	469701.570	3768538.822	286.00
LOCATION	L0002219	VOLUME	469707.053	3768545.434	286.00
LOCATION	L0002220	VOLUME	469712.536	3768552.046	286.00
LOCATION	L0002221	VOLUME	469718.020	3768558.659	286.00
LOCATION	L0002222	VOLUME	469723.503	3768565.271	286.00
LOCATION	L0002223	VOLUME	469728.986	3768571.883	286.00
LOCATION	L0002224	VOLUME	469734.420	3768578.534	286.00
LOCATION	L0002225	VOLUME	469739.604	3768585.384	286.00
LOCATION	L0002226	VOLUME	469744.788	3768592.234	286.03

LOCATION	L0002227	VOLUME	469749.971	3768599.083	286.00
LOCATION	L0002228	VOLUME	469755.155	3768605.933	286.00
LOCATION	L0002229	VOLUME	469760.338	3768612.783	286.00
LOCATION	L0002230	VOLUME	469765.522	3768619.632	286.11
LOCATION	L0002231	VOLUME	469770.705	3768626.482	286.33
LOCATION	L0002232	VOLUME	469775.889	3768633.332	286.56
LOCATION	L0002233	VOLUME	469781.073	3768640.182	286.80
LOCATION	L0002234	VOLUME	469786.256	3768647.031	287.00
LOCATION	L0002235	VOLUME	469791.440	3768653.881	287.00
LOCATION	L0002236	VOLUME	469796.623	3768660.731	287.00
LOCATION	L0002237	VOLUME	469801.807	3768667.581	287.00
LOCATION	L0002238	VOLUME	469806.990	3768674.430	287.00
LOCATION	L0002239	VOLUME	469812.174	3768681.280	287.16
LOCATION	L0002240	VOLUME	469817.358	3768688.130	287.39
LOCATION	L0002241	VOLUME	469822.541	3768694.979	287.62
LOCATION	L0002242	VOLUME	469827.725	3768701.829	287.85
LOCATION	L0002243	VOLUME	469832.908	3768708.679	288.00
LOCATION	L0002244	VOLUME	469836.911	3768716.262	288.00
LOCATION	L0002245	VOLUME	469840.753	3768723.945	288.00
LOCATION	L0002246	VOLUME	469844.594	3768731.628	288.00
LOCATION	L0002247	VOLUME	469848.436	3768739.311	288.10
LOCATION	L0002248	VOLUME	469852.277	3768746.994	288.35
LOCATION	L0002249	VOLUME	469856.119	3768754.678	288.61
LOCATION	L0002250	VOLUME	469859.960	3768762.361	288.86
LOCATION	L0002251	VOLUME	469863.802	3768770.044	289.00
LOCATION	L0002252	VOLUME	469867.644	3768777.727	289.00
LOCATION	L0002253	VOLUME	469871.485	3768785.410	289.00
LOCATION	L0002254	VOLUME	469875.327	3768793.093	289.00
LOCATION	L0002255	VOLUME	469879.168	3768800.776	289.14
LOCATION	L0002256	VOLUME	469883.010	3768808.459	289.40
LOCATION	L0002257	VOLUME	469886.851	3768816.143	289.66
LOCATION	L0002258	VOLUME	469890.693	3768823.826	289.91
LOCATION	L0002259	VOLUME	469894.535	3768831.509	290.00
LOCATION	L0002260	VOLUME	469898.376	3768839.192	290.00
LOCATION	L0002261	VOLUME	469902.218	3768846.875	290.00
LOCATION	L0002262	VOLUME	469906.059	3768854.558	290.00
LOCATION	L0002263	VOLUME	469909.901	3768862.241	290.00
LOCATION	L0002264	VOLUME	469913.742	3768869.924	290.00
LOCATION	L0002265	VOLUME	469917.584	3768877.608	290.00
LOCATION	L0002266	VOLUME	469921.425	3768885.291	290.00
LOCATION	L0002267	VOLUME	469925.267	3768892.974	290.22
LOCATION	L0002268	VOLUME	469929.109	3768900.657	290.47
LOCATION	L0002269	VOLUME	469932.950	3768908.340	290.73
LOCATION	L0002270	VOLUME	469935.298	3768916.578	291.00
LOCATION	L0002271	VOLUME	469937.400	3768924.907	291.00
LOCATION	L0002272	VOLUME	469939.502	3768933.235	291.00
LOCATION	L0002273	VOLUME	469941.605	3768941.564	291.00
LOCATION	L0002274	VOLUME	469943.707	3768949.893	291.05
LOCATION	L0002275	VOLUME	469945.810	3768958.222	291.21
LOCATION	L0002276	VOLUME	469947.912	3768966.550	291.41

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   LOCATION L0002277     VOLUME   469950.014 3768974.879 291.64
   LOCATION L0002278     VOLUME   469952.117 3768983.208 291.81
   LOCATION L0002279     VOLUME   469954.219 3768991.537 291.91
   LOCATION L0002280     VOLUME   469956.322 3768999.865 291.98
   LOCATION L0002281     VOLUME   469958.424 3769008.194 292.00
   LOCATION L0002282     VOLUME   469960.526 3769016.523 292.00
   LOCATION L0002283     VOLUME   469962.629 3769024.852 292.00
   LOCATION L0002284     VOLUME   469964.731 3769033.180 292.00
   LOCATION L0002285     VOLUME   469966.834 3769041.509 292.17
   LOCATION L0002286     VOLUME   469968.936 3769049.838 292.45
   LOCATION L0002287     VOLUME   469971.038 3769058.167 292.72
   LOCATION L0002288     VOLUME   469973.141 3769066.495 293.00
   LOCATION L0002289     VOLUME   469975.243 3769074.824 293.00
   LOCATION L0002290     VOLUME   469977.346 3769083.153 293.00
   LOCATION L0002291     VOLUME   469979.448 3769091.482 293.00
** END OF LINE VOLUME SOURCE ID = SLINE12
** ---------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE13
** DESCRSRC OFF-SITE TRAVEL 25%
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.00004075
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 9
** 469475.449, 3767757.603, 276.07, 3.49, 4.00
** 469458.524, 3767540.658, 276.00, 3.49, 4.00
** 469449.292, 3767417.568, 276.00, 3.49, 4.00
** 469423.136, 3767246.781, 274.09, 3.49, 4.00
** 469389.286, 3766980.600, 275.00, 3.49, 4.00
** 469321.587, 3766539.015, 281.45, 3.49, 4.00
** 469313.894, 3766371.306, 284.05, 3.49, 4.00
** 469261.580, 3766028.193, 287.28, 3.49, 4.00
** 469238.501, 3765943.569, 287.98, 3.49, 4.00
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   LOCATION L0002293     VOLUME   469474.447 3767744.757 276.00
   LOCATION L0002294     VOLUME   469473.778 3767736.193 276.00
   LOCATION L0002295     VOLUME   469473.110 3767727.629 276.00
   LOCATION L0002296     VOLUME   469472.442 3767719.065 276.00
   LOCATION L0002297     VOLUME   469471.774 3767710.501 276.15
   LOCATION L0002298     VOLUME   469471.106 3767701.937 276.35
   LOCATION L0002299     VOLUME   469470.438 3767693.373 276.53
   LOCATION L0002300     VOLUME   469469.770 3767684.809 276.67
   LOCATION L0002301     VOLUME   469469.102 3767676.245 276.65
   LOCATION L0002302     VOLUME   469468.434 3767667.681 276.63
   LOCATION L0002303     VOLUME   469467.765 3767659.117 276.60
   LOCATION L0002304     VOLUME   469467.097 3767650.553 276.58
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LOCATION	L0002305	VOLUME	469466.429	3767641.989	276.56
LOCATION	L0002306	VOLUME	469465.761	3767633.425	276.54
LOCATION	L0002307	VOLUME	469465.093	3767624.861	276.52
LOCATION	L0002308	VOLUME	469464.425	3767616.297	276.49
LOCATION	L0002309	VOLUME	469463.757	3767607.734	276.47
LOCATION	L0002310	VOLUME	469463.089	3767599.170	276.45
LOCATION	L0002311	VOLUME	469462.421	3767590.606	276.43
LOCATION	L0002312	VOLUME	469461.752	3767582.042	276.40
LOCATION	L0002313	VOLUME	469461.084	3767573.478	276.38
LOCATION	L0002314	VOLUME	469460.416	3767564.914	276.34
LOCATION	L0002315	VOLUME	469459.748	3767556.350	276.22
LOCATION	L0002316	VOLUME	469459.080	3767547.786	276.12
LOCATION	L0002317	VOLUME	469458.416	3767539.221	276.03
LOCATION	L0002318	VOLUME	469457.774	3767530.655	276.00
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LOCATION	L0002322	VOLUME	469455.204	3767496.392	276.00
LOCATION	L0002323	VOLUME	469454.562	3767487.826	276.00
LOCATION	L0002324	VOLUME	469453.919	3767479.260	276.00
LOCATION	L0002325	VOLUME	469453.277	3767470.694	276.00
LOCATION	L0002326	VOLUME	469452.634	3767462.128	276.00
LOCATION	L0002327	VOLUME	469451.992	3767453.562	276.00
LOCATION	L0002328	VOLUME	469451.349	3767444.996	276.00
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LOCATION	L0002333	VOLUME	469446.954	3767402.301	275.91
LOCATION	L0002334	VOLUME	469445.654	3767393.810	275.87
LOCATION	L0002335	VOLUME	469444.353	3767385.319	275.82
LOCATION	L0002336	VOLUME	469443.053	3767376.828	275.78
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LOCATION	L0002339	VOLUME	469439.152	3767351.355	275.65
LOCATION	L0002340	VOLUME	469437.851	3767342.864	275.61
LOCATION	L0002341	VOLUME	469436.551	3767334.373	275.56
LOCATION	L0002342	VOLUME	469435.250	3767325.882	275.51
LOCATION	L0002343	VOLUME	469433.950	3767317.391	275.33
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LOCATION	L0002345	VOLUME	469431.349	3767300.409	275.05
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LOCATION	L0002351	VOLUME	469423.546	3767249.463	274.51
LOCATION	L0002352	VOLUME	469422.394	3767240.951	274.23
LOCATION	L0002353	VOLUME	469421.311	3767232.430	274.06
LOCATION	L0002354	VOLUME	469420.227	3767223.909	274.02

LOCATION	L0002355	VOLUME	469419.143	3767215.387	274.00
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LOCATION	L0002386	VOLUME	469384.799	3766951.330	275.50
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LOCATION	L0002393	VOLUME	469375.687	3766891.894	275.76
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LOCATION	L0002404	VOLUME	469361.368	3766798.496	276.00

LOCATION	L0002405	VOLUME	469360.066	3766790.005	276.00
LOCATION	L0002406	VOLUME	469358.764	3766781.514	276.00
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LOCATION	L0002408	VOLUME	469356.161	3766764.533	276.08
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LOCATION	L0002415	VOLUME	469347.049	3766705.097	279.01
LOCATION	L0002416	VOLUME	469345.747	3766696.606	279.46
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LOCATION	L0002418	VOLUME	469343.143	3766679.625	279.24
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LOCATION	L0002431	VOLUME	469326.221	3766569.244	279.88
LOCATION	L0002432	VOLUME	469324.919	3766560.753	280.51
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LOCATION	L0002449	VOLUME	469315.903	3766415.108	283.37
LOCATION	L0002450	VOLUME	469315.509	3766406.527	283.41
LOCATION	L0002451	VOLUME	469315.116	3766397.946	283.45
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LOCATION	L0002453	VOLUME	469314.328	3766380.784	283.53
LOCATION	L0002454	VOLUME	469313.935	3766372.203	283.57

LOCATION	L0002455	VOLUME	469312.734	3766363.702	283.81
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LOCATION	L0002475	VOLUME	469286.840	3766193.864	287.43
LOCATION	L0002476	VOLUME	469285.545	3766185.372	287.47
LOCATION	L0002477	VOLUME	469284.250	3766176.881	287.51
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LOCATION	L0002492	VOLUME	469264.829	3766049.503	287.68
LOCATION	L0002493	VOLUME	469263.535	3766041.011	287.53
LOCATION	L0002494	VOLUME	469262.240	3766032.519	287.46
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LOCATION	L0002498	VOLUME	469253.691	3765999.265	287.53
LOCATION	L0002499	VOLUME	469251.431	3765990.978	287.61
LOCATION	L0002500	VOLUME	469249.171	3765982.691	287.68
LOCATION	L0002501	VOLUME	469246.911	3765974.403	287.76
LOCATION	L0002502	VOLUME	469244.650	3765966.116	287.83
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LOCATION	L0002504	VOLUME	469240.130	3765949.541	287.98

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** END OF LINE VOLUME SOURCE ID = SLINE13
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = SLINE1
   SRCPARAM L0001253     0.000006423      3.49      4.00      3.25
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   SRCPARAM L0001255     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001256     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001257     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001258     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001259     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001260     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001261     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001262     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001263     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001264     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001265     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001266     0.000006423      3.49      4.00      3.25
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   SRCPARAM L0001268     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001269     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001270     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001271     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001272     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001273     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001274     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001275     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001276     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001277     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001278     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001279     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001280     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001281     0.000006423      3.49      4.00      3.25
   SRCPARAM L0001282     0.000006423      3.49      4.00      3.25
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   SRCPARAM L0001286     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001287     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001288     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001289     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001290     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001291     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001292     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001293     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001294     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001295     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001296     0.0000002153      3.49      4.00      3.25
   SRCPARAM L0001297     0.0000002153      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE3
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SRCPARAM	L0001495	0.000001184	3.49	4.00	3.25

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   SRCPARAM L0001524     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001525     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001526     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001527     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001528     0.000003341      3.49      4.00      3.25
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   SRCPARAM L0001531     0.000003341      3.49      4.00      3.25
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   SRCPARAM L0001533     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001534     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001535     0.000003341      3.49      4.00      3.25
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   SRCPARAM L0001537     0.000003341      3.49      4.00      3.25
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   SRCPARAM L0001543     0.000003341      3.49      4.00      3.25
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   SRCPARAM L0001544     0.000003341      3.49      4.00      3.25
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   SRCPARAM L0001547     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001548     0.000003341      3.49      4.00      3.25
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   SRCPARAM L0001550     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001551     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001552     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001553     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001554     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001555     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001556     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001557     0.000003341      3.49      4.00      3.25
   SRCPARAM L0001558     0.000003341      3.49      4.00      3.25
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE5
   SRCPARAM L0001559     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001560     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001561     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001562     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001563     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001564     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001565     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001566     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001567     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001568     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001569     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001570     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001571     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001572     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001573     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001574     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001575     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001576     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001577     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001578     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001579     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001580     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001581     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001582     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001583     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001584     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001585     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001586     0.000000898      3.49      4.00      3.25
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   SRCPARAM L0001588     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001589     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001590     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001591     0.000000898      3.49      4.00      3.25
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SRCPARAM	L0001592	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001593	0.000000898	3.49	4.00	3.25
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SRCPARAM	L0001604	0.000000898	3.49	4.00	3.25
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SRCPARAM	L0001612	0.000000898	3.49	4.00	3.25
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SRCPARAM	L0001614	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001615	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001616	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001617	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001618	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001619	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001620	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001621	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001622	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001623	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001624	0.000000898	3.49	4.00	3.25
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SRCPARAM	L0001629	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001630	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001631	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001632	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001633	0.000000898	3.49	4.00	3.25
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SRCPARAM	L0001635	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001636	0.000000898	3.49	4.00	3.25
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SRCPARAM	L0001638	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001639	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001640	0.000000898	3.49	4.00	3.25
SRCPARAM	L0001641	0.000000898	3.49	4.00	3.25

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   SRCPARAM L0001642     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001643     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001644     0.000000898      3.49      4.00      3.25
   SRCPARAM L0001645     0.000000898      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE6
   SRCPARAM L0001646     0.0000001532      3.49      4.00      3.25
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   SRCPARAM L0001650     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001651     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001652     0.0000001532      3.49      4.00      3.25
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   SRCPARAM L0001665     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001666     0.0000001532      3.49      4.00      3.25
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   SRCPARAM L0001668     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001669     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001670     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001671     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001672     0.0000001532      3.49      4.00      3.25
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   SRCPARAM L0001688     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001689     0.0000001532      3.49      4.00      3.25
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SRCPARAM	L0001691	0.0000001532	3.49	4.00	3.25
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SRCPARAM	L0001693	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001694	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001695	0.0000001532	3.49	4.00	3.25
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SRCPARAM	L0001697	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001698	0.0000001532	3.49	4.00	3.25
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SRCPARAM	L0001700	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001701	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001702	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001703	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001704	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001705	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001706	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001707	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001708	0.0000001532	3.49	4.00	3.25
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SRCPARAM	L0001710	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001711	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001712	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001713	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001714	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001715	0.0000001532	3.49	4.00	3.25
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SRCPARAM	L0001718	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001719	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001720	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001721	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001722	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001723	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001724	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001725	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001726	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001727	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001728	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001729	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001730	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001731	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001732	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001733	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001734	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001735	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001736	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001737	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001738	0.0000001532	3.49	4.00	3.25
SRCPARAM	L0001739	0.0000001532	3.49	4.00	3.25

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   SRCPARAM L0001740     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001741     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001742     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001743     0.0000001532      3.49      4.00      3.25
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   SRCPARAM L0001745     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001746     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001747     0.0000001532      3.49      4.00      3.25
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   SRCPARAM L0001749     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001750     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001751     0.0000001532      3.49      4.00      3.25
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   SRCPARAM L0001753     0.0000001532      3.49      4.00      3.25
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   SRCPARAM L0001755     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001756     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001757     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001758     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001759     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001760     0.0000001532      3.49      4.00      3.25
   SRCPARAM L0001761     0.0000001532      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE7
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   SRCPARAM L0001763     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001764     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001765     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001766     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001767     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001768     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001769     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001770     0.0000001144      3.49      4.00      3.25
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   SRCPARAM L0001779     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001780     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001781     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001782     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001783     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001784     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001785     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001786     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001787     0.0000001144      3.49      4.00      3.25
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SRCPARAM L0001792	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001793	0.0000001144	3.49	4.00	3.25
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SRCPARAM L0001795	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001796	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001797	0.0000001144	3.49	4.00	3.25
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SRCPARAM L0001803	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001804	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001805	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001806	0.0000001144	3.49	4.00	3.25
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SRCPARAM L0001810	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001811	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001812	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001813	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001814	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001815	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001816	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001817	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001818	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001819	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001820	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001821	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001822	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001823	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001824	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001825	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001826	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001827	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001828	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001829	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001830	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001831	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001832	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001833	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001834	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001835	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001836	0.0000001144	3.49	4.00	3.25
SRCPARAM L0001837	0.0000001144	3.49	4.00	3.25

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   SRCPARAM L0001838     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001839     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001840     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001841     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001842     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001843     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001844     0.0000001144      3.49      4.00      3.25
   SRCPARAM L0001845     0.0000001144      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE8
   SRCPARAM L0001846     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001847     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001848     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001849     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001850     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001851     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001852     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001853     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001854     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001855     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001856     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001857     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001858     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001859     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001860     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001861     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001862     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001863     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001864     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001865     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001866     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001867     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001868     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001869     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001870     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001871     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001872     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001873     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001874     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001875     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001876     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001877     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001878     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001879     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001880     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001881     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001882     0.0000003789      3.49      4.00      3.25
   SRCPARAM L0001883     0.0000003789      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE9
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SRCPARAM	L0001884	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001885	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001886	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001887	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001888	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001889	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001890	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001891	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001892	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001893	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001894	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001895	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001896	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001897	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001898	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001899	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001900	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001901	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001902	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001903	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001904	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001905	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001906	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001907	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001908	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001909	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001910	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001911	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001912	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001913	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001914	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001915	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001916	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001917	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001918	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001919	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001920	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001921	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001922	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001923	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001924	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001925	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001926	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001927	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001928	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001929	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001930	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001931	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001932	0.00000061	3.49	4.00	3.25
SRCPARAM	L0001933	0.00000061	3.49	4.00	3.25

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   SRCPARAM L0001934     0.00000061      3.49      4.00      3.25
   SRCPARAM L0001935     0.00000061      3.49      4.00      3.25
   SRCPARAM L0001936     0.00000061      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = SLINE10
   SRCPARAM L0001937     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001938     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001939     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001940     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001941     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001942     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001943     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001944     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001945     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001946     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001947     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001948     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001949     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001950     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001951     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001952     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001953     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001954     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001955     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001956     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001957     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001958     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001959     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001960     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001961     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001962     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001963     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001964     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001965     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001966     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001967     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001968     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001969     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001970     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001971     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001972     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001973     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001974     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001975     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001976     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001977     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001978     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001979     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001980     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0001981     0.0000002677      3.49      4.00      3.25
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SRCPARAM	L0001982	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001983	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001984	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001985	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001986	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001987	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001988	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001989	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001990	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001991	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001992	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001993	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001994	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001995	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001996	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001997	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001998	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0001999	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002000	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002001	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002002	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002003	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002004	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002005	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002006	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002007	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002008	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002009	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002010	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002011	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002012	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002013	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002014	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002015	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002016	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002017	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002018	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002019	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002020	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002021	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002022	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002023	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002024	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002025	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002026	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002027	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002028	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002029	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002030	0.0000002677	3.49	4.00	3.25
SRCPARAM	L0002031	0.0000002677	3.49	4.00	3.25

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   SRCPARAM L0002032     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002033     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002034     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002035     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002036     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002037     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002038     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002039     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002040     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002041     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002042     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002043     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002044     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002045     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002046     0.0000002677      3.49      4.00      3.25
   SRCPARAM L0002047     0.0000002677      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE11
   SRCPARAM L0002048     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002049     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002050     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002051     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002052     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002053     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002054     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002055     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002056     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002057     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002058     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002059     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002060     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002061     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002062     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002063     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002064     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002065     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002066     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002067     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002068     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002069     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002070     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002071     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002072     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002073     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002074     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002075     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002076     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002077     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002078     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002079     0.0000003457      3.49      4.00      3.25
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   SRCPARAM L0002080     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002081     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002082     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002083     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002084     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002085     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002086     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002087     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002088     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002089     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002090     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002091     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002092     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002093     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002094     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002095     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002096     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002097     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002098     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002099     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002100     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002101     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002102     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002103     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002104     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002105     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002106     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002107     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002108     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002109     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002110     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002111     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002112     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002113     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002114     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002115     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002116     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002117     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002118     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002119     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002120     0.0000003457      3.49      4.00      3.25
   SRCPARAM L0002121     0.0000003457      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE12
   SRCPARAM L0002122     0.0000001526      3.49      4.00      3.25
   SRCPARAM L0002123     0.0000001526      3.49      4.00      3.25
   SRCPARAM L0002124     0.0000001526      3.49      4.00      3.25
   SRCPARAM L0002125     0.0000001526      3.49      4.00      3.25
   SRCPARAM L0002126     0.0000001526      3.49      4.00      3.25
   SRCPARAM L0002127     0.0000001526      3.49      4.00      3.25
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SRCPARAM	L0002129	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002130	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002131	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002132	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002133	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002134	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002135	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002136	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002137	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002138	0.0000001526	3.49	4.00	3.25
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SRCPARAM	L0002201	0.0000001526	3.49	4.00	3.25
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SRCPARAM	L0002221	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002222	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002223	0.0000001526	3.49	4.00	3.25
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SRCPARAM	L0002262	0.0000001526	3.49	4.00	3.25
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SRCPARAM	L0002269	0.0000001526	3.49	4.00	3.25
SRCPARAM	L0002270	0.0000001526	3.49	4.00	3.25
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SRCPARAM	L0002277	0.0000001526	3.49	4.00	3.25

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   SRCPARAM L0002278     0.0000001526      3.49      4.00      3.25
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   SRCPARAM L0002280     0.0000001526      3.49      4.00      3.25
   SRCPARAM L0002281     0.0000001526      3.49      4.00      3.25
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   SRCPARAM L0002289     0.0000001526      3.49      4.00      3.25
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   SRCPARAM L0002291     0.0000001526      3.49      4.00      3.25
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** LINE VOLUME SOURCE ID = SLINE13
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   SRCPARAM L0002293     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002294     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002295     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002296     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002297     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002298     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002299     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002300     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002301     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002302     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002303     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002304     0.0000001913      3.49      4.00      3.25
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   SRCPARAM L0002306     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002307     0.0000001913      3.49      4.00      3.25
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   SRCPARAM L0002312     0.0000001913      3.49      4.00      3.25
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   SRCPARAM L0002325     0.0000001913      3.49      4.00      3.25
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SRCPARAM	L0002386	0.0000001913	3.49	4.00	3.25
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SRCPARAM	L0002388	0.0000001913	3.49	4.00	3.25
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SRCPARAM	L0002400	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002401	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002402	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002403	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002404	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002405	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002406	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002407	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002408	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002409	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002410	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002411	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002412	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002413	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002414	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002415	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002416	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002417	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002418	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002419	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002420	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002421	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002422	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002423	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002424	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002425	0.0000001913	3.49	4.00	3.25

SRCPARAM	L0002426	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002427	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002428	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002429	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002430	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002431	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002432	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002433	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002434	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002435	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002436	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002437	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002438	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002439	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002440	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002441	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002442	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002443	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002444	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002445	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002446	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002447	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002448	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002449	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002450	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002451	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002452	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002453	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002454	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002455	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002456	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002457	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002458	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002459	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002460	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002461	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002462	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002463	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002464	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002465	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002466	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002467	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002468	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002469	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002470	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002471	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002472	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002473	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002474	0.0000001913	3.49	4.00	3.25
SRCPARAM	L0002475	0.0000001913	3.49	4.00	3.25

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   SRCPARAM L0002476     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002477     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002478     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002479     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002480     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002481     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002482     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002483     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002484     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002485     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002486     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002487     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002488     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002489     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002490     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002491     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002492     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002493     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002494     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002495     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002496     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002497     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002498     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002499     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002500     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002501     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002502     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002503     0.0000001913      3.49      4.00      3.25
   SRCPARAM L0002504     0.0000001913      3.49      4.00      3.25
** ---------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD RECEPTOR PATHWAY
****************************************
**
**
RE STARTING
   INCLUDED "13781 HRA.ROU"
RE FINISHED
**
****************************************
** AERMOD METEOROLOGY PATHWAY
****************************************
**
**
ME STARTING
   SURFFILE FONTANAADJU\FONT_V9_ADJU\FONT_V9.SFC
```

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   PROFFILE FONTANAADJU\FONT_V9_ADJU\FONT_V9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
** AUTO-GENERATED PLOTFILES
   PLOTFILE   ANNUAL ALL "13781 HRA.AD\AN00GALL.PLT" 31
   SUMMFILE "13781 HRA.SUM"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    2855       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    2855       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13781 HRA\13781
HRA.ISC                          ***        03/29/21
 *** AERMET - VERSION  16216 ***   ***
                        ***        00:13:39

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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                                          ***     MODEL SETUP OPTIONS SUMMARY
  ***
 - - -
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 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing
Hours
                                                                 b for Both Calm
and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                               ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.0 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   13781 HRA.ERR

 **File for Summary of Results:   13781 HRA.SUM

 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13781 HRA\13781
HRA.ISC                         ***        03/29/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        00:13:39

                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                     *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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L0001253	0	0.64230E-05	467687.9	3767842.9	268.0	3.49	4.00	3.25	YES
L0001254	0	0.64230E-05	467695.9	3767846.1	268.0	3.49	4.00	3.25	YES
L0001255	0	0.64230E-05	467703.9	3767849.3	268.0	3.49	4.00	3.25	YES
L0001256	0	0.64230E-05	467711.8	3767852.5	268.0	3.49	4.00	3.25	YES
L0001257	0	0.64230E-05	467719.8	3767855.7	268.2	3.49	4.00	3.25	YES
L0001258	0	0.64230E-05	467727.8	3767858.9	268.4	3.49	4.00	3.25	YES
L0001259	0	0.64230E-05	467735.8	3767862.1	268.7	3.49	4.00	3.25	YES
L0001260	0	0.64230E-05	467743.7	3767865.3	269.0	3.49	4.00	3.25	YES
L0001261	0	0.64230E-05	467751.7	3767868.5	269.1	3.49	4.00	3.25	YES
L0001262	0	0.64230E-05	467759.7	3767871.7	269.2	3.49	4.00	3.25	YES
L0001263	0	0.64230E-05	467767.7	3767874.9	269.3	3.49	4.00	3.25	YES
L0001264	0	0.64230E-05	467775.6	3767878.1	269.6	3.49	4.00	3.25	YES
L0001265	0	0.64230E-05	467783.6	3767881.2	270.0	3.49	4.00	3.25	YES
L0001266	0	0.64230E-05	467791.6	3767884.4	270.3	3.49	4.00	3.25	YES
L0001267	0	0.64230E-05	467799.6	3767887.6	270.7	3.49	4.00	3.25	YES
L0001268	0	0.64230E-05	467807.5	3767890.8	270.8	3.49	4.00	3.25	YES
L0001269	0	0.64230E-05	467815.5	3767894.0	270.9	3.49	4.00	3.25	YES
L0001270	0	0.64230E-05	467823.5	3767897.2	271.0	3.49	4.00	3.25	YES
L0001271	0	0.64230E-05	467831.5	3767900.4	271.1	3.49	4.00	3.25	YES
L0001272	0	0.64230E-05	467839.4	3767903.6	271.2	3.49	4.00	3.25	YES
L0001273	0	0.64230E-05	467847.4	3767906.8	271.3	3.49	4.00	3.25	YES
L0001274	0	0.64230E-05	467855.4	3767910.0	271.4	3.49	4.00	3.25	YES
L0001275	0	0.64230E-05	467863.4	3767913.2	271.4	3.49	4.00	3.25	YES
L0001276	0	0.64230E-05	467871.3	3767916.4	271.3	3.49	4.00	3.25	YES

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 L0001277         0   0.64230E-05  467879.3 3767919.6   271.1     3.49     4.00
3.25     YES
 L0001278         0   0.64230E-05  467887.3 3767922.8   270.9     3.49     4.00
3.25     YES
 L0001279         0   0.64230E-05  467895.2 3767926.0   270.8     3.49     4.00
3.25     YES
 L0001280         0   0.64230E-05  467903.2 3767929.2   270.6     3.49     4.00
3.25     YES
 L0001281         0   0.64230E-05  467911.2 3767932.4   270.4     3.49     4.00
3.25     YES
 L0001282         0   0.64230E-05  467919.2 3767935.6   270.0     3.49     4.00
3.25     YES
 L0001283         0   0.21530E-06  467641.7 3767907.1   270.2     3.49     4.00
3.25     YES
 L0001284         0   0.21530E-06  467642.8 3767898.5   269.4     3.49     4.00
3.25     YES
 L0001285         0   0.21530E-06  467644.1 3767890.1   268.9     3.49     4.00
3.25     YES
 L0001286         0   0.21530E-06  467646.5 3767881.8   268.6     3.49     4.00
3.25     YES
 L0001287         0   0.21530E-06  467649.0 3767873.6   268.2     3.49     4.00
3.25     YES
 L0001288         0   0.21530E-06  467651.5 3767865.4   268.0     3.49     4.00
3.25     YES
 L0001289         0   0.21530E-06  467654.6 3767857.4   268.0     3.49     4.00
3.25     YES
 L0001290         0   0.21530E-06  467657.8 3767849.4   268.0     3.49     4.00
3.25     YES
 L0001291         0   0.21530E-06  467661.0 3767841.4   268.0     3.49     4.00
3.25     YES
 L0001292         0   0.21530E-06  467664.1 3767833.4   267.9     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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L0001293	0	0.21530E-06	467667.3	3767825.4	267.6	3.49	4.00	3.25	YES
L0001294	0	0.21530E-06	467670.4	3767817.4	267.4	3.49	4.00	3.25	YES
L0001295	0	0.21530E-06	467673.6	3767809.5	267.1	3.49	4.00	3.25	YES
L0001296	0	0.21530E-06	467676.7	3767801.5	267.0	3.49	4.00	3.25	YES
L0001297	0	0.21530E-06	467679.9	3767793.5	267.0	3.49	4.00	3.25	YES
L0001298	0	0.21530E-06	467683.2	3767785.5	267.1	3.49	4.00	3.25	YES
L0001299	0	0.21530E-06	467686.7	3767777.7	267.2	3.49	4.00	3.25	YES
L0001300	0	0.21530E-06	467690.2	3767769.9	267.4	3.49	4.00	3.25	YES
L0001301	0	0.21530E-06	467693.7	3767762.0	267.5	3.49	4.00	3.25	YES
L0001302	0	0.21530E-06	467697.2	3767754.2	267.6	3.49	4.00	3.25	YES
L0001303	0	0.21530E-06	467700.7	3767746.3	267.7	3.49	4.00	3.25	YES
L0001304	0	0.21530E-06	467704.1	3767738.5	267.6	3.49	4.00	3.25	YES
L0001305	0	0.21530E-06	467707.6	3767730.6	267.4	3.49	4.00	3.25	YES
L0001306	0	0.21530E-06	467711.2	3767722.8	267.2	3.49	4.00	3.25	YES
L0001307	0	0.21530E-06	467715.0	3767715.1	267.2	3.49	4.00	3.25	YES
L0001308	0	0.21530E-06	467718.9	3767707.4	267.2	3.49	4.00	3.25	YES
L0001309	0	0.21530E-06	467724.3	3767701.5	267.2	3.49	4.00	3.25	YES
L0001310	0	0.21530E-06	467732.4	3767699.3	267.3	3.49	4.00	3.25	YES
L0001311	0	0.21530E-06	467740.8	3767701.2	267.5	3.49	4.00	3.25	YES
L0001312	0	0.21530E-06	467749.1	3767703.4	267.7	3.49	4.00	3.25	YES
L0001313	0	0.21530E-06	467757.0	3767706.7	267.9	3.49	4.00	3.25	YES
L0001314	0	0.21530E-06	467764.9	3767710.0	268.0	3.49	4.00	3.25	YES
L0001315	0	0.21530E-06	467772.9	3767713.3	268.1	3.49	4.00	3.25	YES
L0001316	0	0.21530E-06	467780.8	3767716.6	268.4	3.49	4.00	3.25	YES

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 L0001317         0   0.21530E-06  467788.7 3767719.9   268.6     3.49     4.00
3.25     YES
 L0001318         0   0.21530E-06  467796.7 3767723.2   268.9     3.49     4.00
3.25     YES
 L0001319         0   0.21530E-06  467804.6 3767726.5   268.9     3.49     4.00
3.25     YES
 L0001320         0   0.21530E-06  467812.5 3767729.8   268.8     3.49     4.00
3.25     YES
 L0001321         0   0.21530E-06  467820.5 3767733.1   268.7     3.49     4.00
3.25     YES
 L0001322         0   0.21530E-06  467828.4 3767736.4   268.7     3.49     4.00
3.25     YES
 L0001323         0   0.21530E-06  467836.3 3767739.6   268.6     3.49     4.00
3.25     YES
 L0001324         0   0.21530E-06  467844.2 3767742.9   268.4     3.49     4.00
3.25     YES
 L0001325         0   0.21530E-06  467852.2 3767746.2   268.2     3.49     4.00
3.25     YES
 L0001326         0   0.21530E-06  467860.1 3767749.5   268.1     3.49     4.00
3.25     YES
 L0001327         0   0.21530E-06  467868.0 3767752.8   268.2     3.49     4.00
3.25     YES
 L0001328         0   0.21530E-06  467876.0 3767756.1   268.2     3.49     4.00
3.25     YES
 L0001329         0   0.21530E-06  467883.9 3767759.4   268.1     3.49     4.00
3.25     YES
 L0001330         0   0.21530E-06  467891.8 3767762.7   268.0     3.49     4.00
3.25     YES
 L0001331         0   0.21530E-06  467899.8 3767766.0   268.0     3.49     4.00
3.25     YES
 L0001332         0   0.21530E-06  467907.7 3767769.3   268.0     3.49     4.00
3.25     YES
```



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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001333	0	0.21530E-06	467915.6	3767772.6	268.0	3.49	4.00	3.25	YES
L0001334	0	0.21530E-06	467923.6	3767775.9	268.0	3.49	4.00	3.25	YES
L0001335	0	0.21530E-06	467931.5	3767779.2	268.0	3.49	4.00	3.25	YES
L0001336	0	0.21530E-06	467939.6	3767782.2	268.0	3.49	4.00	3.25	YES
L0001337	0	0.21530E-06	467947.6	3767785.2	268.0	3.49	4.00	3.25	YES
L0001338	0	0.21530E-06	467955.6	3767788.3	268.0	3.49	4.00	3.25	YES
L0001339	0	0.21530E-06	467963.7	3767791.3	268.0	3.49	4.00	3.25	YES
L0001340	0	0.21530E-06	467971.7	3767794.3	268.0	3.49	4.00	3.25	YES
L0001341	0	0.21530E-06	467979.8	3767797.3	268.0	3.49	4.00	3.25	YES
L0001342	0	0.21530E-06	467987.8	3767800.4	268.0	3.49	4.00	3.25	YES
L0001343	0	0.21530E-06	467995.8	3767803.4	268.0	3.49	4.00	3.25	YES
L0001344	0	0.21530E-06	468003.4	3767807.4	268.0	3.49	4.00	3.25	YES
L0001345	0	0.21530E-06	468011.0	3767811.5	268.1	3.49	4.00	3.25	YES
L0001346	0	0.21530E-06	468018.5	3767815.6	268.3	3.49	4.00	3.25	YES
L0001347	0	0.21530E-06	468026.1	3767819.7	268.6	3.49	4.00	3.25	YES
L0001348	0	0.21530E-06	468027.7	3767826.8	268.6	3.49	4.00	3.25	YES
L0001349	0	0.21530E-06	468026.7	3767835.3	268.6	3.49	4.00	3.25	YES
L0001350	0	0.21530E-06	468025.6	3767843.8	268.7	3.49	4.00	3.25	YES
L0001351	0	0.21530E-06	468024.5	3767852.4	268.8	3.49	4.00	3.25	YES
L0001352	0	0.21530E-06	468023.5	3767860.9	268.9	3.49	4.00	3.25	YES
L0001353	0	0.21530E-06	468022.4	3767869.4	269.0	3.49	4.00	3.25	YES
L0001354	0	0.21530E-06	468021.4	3767877.9	269.2	3.49	4.00	3.25	YES
L0001355	0	0.21530E-06	468020.3	3767886.5	269.2	3.49	4.00	3.25	YES
L0001356	0	0.21530E-06	468019.2	3767895.0	269.3	3.49	4.00	3.25	YES

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 L0001357         0   0.21530E-06  468018.2 3767903.5   269.4     3.49     4.00
3.25     YES
 L0001358         0   0.21530E-06  468017.1 3767912.0   269.6     3.49     4.00
3.25     YES
 L0001359         0   0.21530E-06  468016.0 3767920.6   269.9     3.49     4.00
3.25     YES
 L0001360         0   0.21530E-06  468015.0 3767929.1   270.0     3.49     4.00
3.25     YES
 L0001361         0   0.21530E-06  468013.9 3767937.6   270.1     3.49     4.00
3.25     YES
 L0001362         0   0.21530E-06  468012.9 3767946.1   270.1     3.49     4.00
3.25     YES
 L0001363         0   0.21530E-06  468011.8 3767954.7   270.1     3.49     4.00
3.25     YES
 L0001364         0   0.21530E-06  468010.7 3767963.2   270.5     3.49     4.00
3.25     YES
 L0001365         0   0.21530E-06  468009.4 3767971.3   271.0     3.49     4.00
3.25     YES
 L0001366         0   0.21530E-06  468001.1 3767969.0   270.8     3.49     4.00
3.25     YES
 L0001367         0   0.21530E-06  467992.8 3767966.8   270.7     3.49     4.00
3.25     YES
 L0001368         0   0.21530E-06  467984.5 3767964.6   270.5     3.49     4.00
3.25     YES
 L0001369         0   0.21530E-06  467976.2 3767962.3   270.4     3.49     4.00
3.25     YES
 L0001370         0   0.21530E-06  467967.9 3767960.1   270.2     3.49     4.00
3.25     YES
 L0001371         0   0.21530E-06  467959.6 3767957.9   270.1     3.49     4.00
3.25     YES
 L0001372         0   0.21530E-06  467951.3 3767955.7   270.0     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001373	0	0.21530E-06	467943.0	3767953.4	269.9	3.49	4.00	3.25	YES
L0001374	0	0.21530E-06	467934.8	3767951.0	269.9	3.49	4.00	3.25	YES
L0001375	0	0.21530E-06	467926.6	3767948.5	269.9	3.49	4.00	3.25	YES
L0001376	0	0.21530E-06	467918.3	3767946.0	270.1	3.49	4.00	3.25	YES
L0001377	0	0.21530E-06	467910.1	3767943.5	270.7	3.49	4.00	3.25	YES
L0001378	0	0.21530E-06	467901.9	3767941.0	271.2	3.49	4.00	3.25	YES
L0001379	0	0.21530E-06	467893.7	3767938.5	271.6	3.49	4.00	3.25	YES
L0001380	0	0.21530E-06	467885.5	3767935.9	271.7	3.49	4.00	3.25	YES
L0001381	0	0.21530E-06	467877.3	3767933.4	271.8	3.49	4.00	3.25	YES
L0001382	0	0.21530E-06	467869.1	3767930.9	271.9	3.49	4.00	3.25	YES
L0001383	0	0.21530E-06	467860.8	3767928.4	272.0	3.49	4.00	3.25	YES
L0001384	0	0.21530E-06	467852.6	3767925.9	272.0	3.49	4.00	3.25	YES
L0001385	0	0.21530E-06	467844.4	3767923.4	271.9	3.49	4.00	3.25	YES
L0001386	0	0.21530E-06	467836.2	3767920.8	271.8	3.49	4.00	3.25	YES
L0001387	0	0.21530E-06	467828.0	3767918.3	271.7	3.49	4.00	3.25	YES
L0001388	0	0.21530E-06	467819.8	3767915.8	271.6	3.49	4.00	3.25	YES
L0001389	0	0.21530E-06	467811.6	3767913.3	271.6	3.49	4.00	3.25	YES
L0001390	0	0.21530E-06	467803.3	3767910.8	271.5	3.49	4.00	3.25	YES
L0001391	0	0.21530E-06	467795.1	3767908.3	271.3	3.49	4.00	3.25	YES
L0001392	0	0.21530E-06	467786.9	3767905.8	271.0	3.49	4.00	3.25	YES
L0001393	0	0.21530E-06	467778.7	3767903.2	270.7	3.49	4.00	3.25	YES
L0001394	0	0.21530E-06	467770.5	3767900.7	270.3	3.49	4.00	3.25	YES
L0001395	0	0.21530E-06	467762.3	3767898.2	270.1	3.49	4.00	3.25	YES
L0001396	0	0.21530E-06	467754.1	3767895.7	270.0	3.49	4.00	3.25	YES

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 L0001397         0   0.21530E-06  467745.9 3767893.2   269.9     3.49     4.00
3.25     YES
 L0001398         0   0.21530E-06  467737.6 3767890.7   269.7     3.49     4.00
3.25     YES
 L0001399         0   0.21530E-06  467729.4 3767888.2   269.4     3.49     4.00
3.25     YES
 L0001400         0   0.21530E-06  467721.2 3767885.6   269.0     3.49     4.00
3.25     YES
 L0001401         0   0.21530E-06  467713.0 3767883.1   268.7     3.49     4.00
3.25     YES
 L0001402         0   0.21530E-06  467704.8 3767880.6   268.5     3.49     4.00
3.25     YES
 L0001403         0   0.21530E-06  467696.6 3767878.1   268.4     3.49     4.00
3.25     YES
 L0001404         0   0.21530E-06  467688.4 3767875.6   268.3     3.49     4.00
3.25     YES
 L0001405         0   0.21530E-06  467680.1 3767873.1   268.2     3.49     4.00
3.25     YES
 L0001406         0   0.11840E-05  468312.7 3768067.1   272.4     3.49     4.00
3.25     YES
 L0001407         0   0.11840E-05  468311.7 3768058.6   271.8     3.49     4.00
3.25     YES
 L0001408         0   0.11840E-05  468310.7 3768050.1   271.2     3.49     4.00
3.25     YES
 L0001409         0   0.11840E-05  468309.8 3768041.5   271.0     3.49     4.00
3.25     YES
 L0001410         0   0.11840E-05  468308.8 3768033.0   271.0     3.49     4.00
3.25     YES
 L0001411         0   0.11840E-05  468307.9 3768024.5   271.0     3.49     4.00
3.25     YES
 L0001412         0   0.11840E-05  468306.9 3768015.9   270.9     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001413	0	0.11840E-05	468306.0	3768007.4	270.6	3.49	4.00	3.25	YES
L0001414	0	0.11840E-05	468305.0	3767998.9	270.4	3.49	4.00	3.25	YES
L0001415	0	0.11840E-05	468304.0	3767990.3	270.1	3.49	4.00	3.25	YES
L0001416	0	0.11840E-05	468303.1	3767981.8	270.0	3.49	4.00	3.25	YES
L0001417	0	0.11840E-05	468302.1	3767973.2	270.0	3.49	4.00	3.25	YES
L0001418	0	0.11840E-05	468301.2	3767964.7	270.0	3.49	4.00	3.25	YES
L0001419	0	0.11840E-05	468300.2	3767956.2	270.0	3.49	4.00	3.25	YES
L0001420	0	0.11840E-05	468299.2	3767947.6	270.0	3.49	4.00	3.25	YES
L0001421	0	0.11840E-05	468298.3	3767939.1	270.0	3.49	4.00	3.25	YES
L0001422	0	0.11840E-05	468297.3	3767930.6	270.0	3.49	4.00	3.25	YES
L0001423	0	0.11840E-05	468296.4	3767922.0	270.0	3.49	4.00	3.25	YES
L0001424	0	0.11840E-05	468295.4	3767913.5	270.0	3.49	4.00	3.25	YES
L0001425	0	0.11840E-05	468294.5	3767905.0	270.0	3.49	4.00	3.25	YES
L0001426	0	0.11840E-05	468293.5	3767896.4	270.0	3.49	4.00	3.25	YES
L0001427	0	0.11840E-05	468292.5	3767887.9	270.0	3.49	4.00	3.25	YES
L0001428	0	0.11840E-05	468291.6	3767879.3	270.0	3.49	4.00	3.25	YES
L0001429	0	0.11840E-05	468286.2	3767874.8	270.0	3.49	4.00	3.25	YES
L0001430	0	0.11840E-05	468277.8	3767873.2	269.9	3.49	4.00	3.25	YES
L0001431	0	0.11840E-05	468269.4	3767871.5	269.7	3.49	4.00	3.25	YES
L0001432	0	0.11840E-05	468261.0	3767869.9	269.4	3.49	4.00	3.25	YES
L0001433	0	0.11840E-05	468252.5	3767868.2	269.1	3.49	4.00	3.25	YES
L0001434	0	0.11840E-05	468244.1	3767866.6	269.0	3.49	4.00	3.25	YES
L0001435	0	0.11840E-05	468235.7	3767864.9	269.0	3.49	4.00	3.25	YES
L0001436	0	0.11840E-05	468227.2	3767863.3	269.0	3.49	4.00	3.25	YES

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 L0001437         0   0.11840E-05  468218.8 3767861.6   269.0     3.49     4.00
3.25     YES
 L0001438         0   0.11840E-05  468210.4 3767860.0   269.0     3.49     4.00
3.25     YES
 L0001439         0   0.11840E-05  468201.9 3767858.3   269.0     3.49     4.00
3.25     YES
 L0001440         0   0.11840E-05  468193.5 3767856.7   269.0     3.49     4.00
3.25     YES
 L0001441         0   0.11840E-05  468185.1 3767855.0   269.0     3.49     4.00
3.25     YES
 L0001442         0   0.11840E-05  468176.7 3767853.4   269.0     3.49     4.00
3.25     YES
 L0001443         0   0.11840E-05  468168.2 3767851.7   269.0     3.49     4.00
3.25     YES
 L0001444         0   0.11840E-05  468159.8 3767850.1   269.0     3.49     4.00
3.25     YES
 L0001445         0   0.11840E-05  468151.4 3767848.4   269.0     3.49     4.00
3.25     YES
 L0001446         0   0.11840E-05  468142.9 3767846.8   269.0     3.49     4.00
3.25     YES
 L0001447         0   0.11840E-05  468134.5 3767845.1   269.0     3.49     4.00
3.25     YES
 L0001448         0   0.11840E-05  468126.1 3767843.5   269.0     3.49     4.00
3.25     YES
 L0001449         0   0.11840E-05  468117.6 3767841.8   269.0     3.49     4.00
3.25     YES
 L0001450         0   0.11840E-05  468109.2 3767840.2   269.0     3.49     4.00
3.25     YES
 L0001451         0   0.11840E-05  468100.8 3767838.5   269.0     3.49     4.00
3.25     YES
 L0001452         0   0.11840E-05  468092.4 3767836.9   269.0     3.49     4.00
3.25     YES
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                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001453	0	0.11840E-05	468083.9	3767835.2	269.0	3.49	4.00	3.25	YES
L0001454	0	0.11840E-05	468079.7	3767839.2	269.0	3.49	4.00	3.25	YES
L0001455	0	0.11840E-05	468078.9	3767847.7	269.0	3.49	4.00	3.25	YES
L0001456	0	0.11840E-05	468078.1	3767856.3	269.0	3.49	4.00	3.25	YES
L0001457	0	0.11840E-05	468077.3	3767864.8	269.0	3.49	4.00	3.25	YES
L0001458	0	0.11840E-05	468076.5	3767873.4	269.0	3.49	4.00	3.25	YES
L0001459	0	0.11840E-05	468075.8	3767881.9	269.0	3.49	4.00	3.25	YES
L0001460	0	0.11840E-05	468075.0	3767890.5	269.0	3.49	4.00	3.25	YES
L0001461	0	0.11840E-05	468074.2	3767899.0	269.1	3.49	4.00	3.25	YES
L0001462	0	0.11840E-05	468073.4	3767907.6	269.3	3.49	4.00	3.25	YES
L0001463	0	0.11840E-05	468072.6	3767916.2	269.6	3.49	4.00	3.25	YES
L0001464	0	0.11840E-05	468071.9	3767924.7	269.9	3.49	4.00	3.25	YES
L0001465	0	0.11840E-05	468071.1	3767933.3	270.0	3.49	4.00	3.25	YES
L0001466	0	0.11840E-05	468070.3	3767941.8	270.0	3.49	4.00	3.25	YES
L0001467	0	0.11840E-05	468069.5	3767950.4	270.0	3.49	4.00	3.25	YES
L0001468	0	0.11840E-05	468068.7	3767958.9	270.1	3.49	4.00	3.25	YES
L0001469	0	0.11840E-05	468068.0	3767967.5	270.4	3.49	4.00	3.25	YES
L0001470	0	0.11840E-05	468067.2	3767976.0	270.7	3.49	4.00	3.25	YES
L0001471	0	0.11840E-05	468066.4	3767984.6	271.0	3.49	4.00	3.25	YES
L0001472	0	0.11840E-05	468065.6	3767993.1	271.6	3.49	4.00	3.25	YES
L0001473	0	0.11840E-05	468064.8	3768001.7	272.2	3.49	4.00	3.25	YES
L0001474	0	0.11840E-05	468059.1	3768001.8	272.4	3.49	4.00	3.25	YES
L0001475	0	0.11840E-05	468051.3	3767998.2	272.4	3.49	4.00	3.25	YES
L0001476	0	0.11840E-05	468043.5	3767994.7	272.4	3.49	4.00	3.25	YES

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 L0001477         0   0.11840E-05  468035.7 3767991.1   272.3     3.49     4.00
3.25     YES
 L0001478         0   0.11840E-05  468027.9 3767987.6   272.1     3.49     4.00
3.25     YES
 L0001479         0   0.11840E-05  468020.0 3767984.0   271.9     3.49     4.00
3.25     YES
 L0001480         0   0.11840E-05  468012.2 3767980.4   271.6     3.49     4.00
3.25     YES
 L0001481         0   0.11840E-05  468004.4 3767976.9   271.4     3.49     4.00
3.25     YES
 L0001482         0   0.11840E-05  467996.6 3767973.3   271.1     3.49     4.00
3.25     YES
 L0001483         0   0.11840E-05  467988.8 3767969.8   270.9     3.49     4.00
3.25     YES
 L0001484         0   0.11840E-05  467981.0 3767966.2   270.7     3.49     4.00
3.25     YES
 L0001485         0   0.11840E-05  467972.9 3767963.3   270.4     3.49     4.00
3.25     YES
 L0001486         0   0.11840E-05  467964.7 3767960.7   270.3     3.49     4.00
3.25     YES
 L0001487         0   0.11840E-05  467956.5 3767958.1   270.1     3.49     4.00
3.25     YES
 L0001488         0   0.11840E-05  467948.3 3767955.6   270.0     3.49     4.00
3.25     YES
 L0001489         0   0.11840E-05  467940.1 3767953.0   269.9     3.49     4.00
3.25     YES
 L0001490         0   0.11840E-05  467931.9 3767950.4   269.9     3.49     4.00
3.25     YES
 L0001491         0   0.11840E-05  467923.7 3767947.9   270.0     3.49     4.00
3.25     YES
 L0001492         0   0.11840E-05  467915.5 3767945.3   270.3     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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L0001493	0	0.11840E-05	467907.3	3767942.7	270.9	3.49	4.00	3.25	YES
L0001494	0	0.11840E-05	467899.1	3767940.1	271.3	3.49	4.00	3.25	YES
L0001495	0	0.11840E-05	467890.9	3767937.6	271.7	3.49	4.00	3.25	YES
L0001496	0	0.11840E-05	467882.7	3767935.0	271.7	3.49	4.00	3.25	YES
L0001497	0	0.11840E-05	467874.5	3767932.4	271.8	3.49	4.00	3.25	YES
L0001498	0	0.11840E-05	467866.3	3767929.9	271.9	3.49	4.00	3.25	YES
L0001499	0	0.11840E-05	467858.1	3767927.3	272.0	3.49	4.00	3.25	YES
L0001500	0	0.11840E-05	467849.9	3767924.7	271.9	3.49	4.00	3.25	YES
L0001501	0	0.11840E-05	467841.7	3767922.2	271.9	3.49	4.00	3.25	YES
L0001502	0	0.11840E-05	467833.6	3767919.6	271.8	3.49	4.00	3.25	YES
L0001503	0	0.11840E-05	467825.4	3767917.0	271.7	3.49	4.00	3.25	YES
L0001504	0	0.11840E-05	467817.2	3767914.5	271.6	3.49	4.00	3.25	YES
L0001505	0	0.11840E-05	467809.0	3767911.9	271.5	3.49	4.00	3.25	YES
L0001506	0	0.11840E-05	467800.8	3767909.3	271.4	3.49	4.00	3.25	YES
L0001507	0	0.11840E-05	467792.6	3767906.7	271.2	3.49	4.00	3.25	YES
L0001508	0	0.11840E-05	467784.4	3767904.2	270.9	3.49	4.00	3.25	YES
L0001509	0	0.11840E-05	467776.2	3767901.6	270.5	3.49	4.00	3.25	YES
L0001510	0	0.11840E-05	467768.0	3767899.0	270.2	3.49	4.00	3.25	YES
L0001511	0	0.11840E-05	467759.8	3767896.5	270.0	3.49	4.00	3.25	YES
L0001512	0	0.11840E-05	467751.6	3767893.9	269.9	3.49	4.00	3.25	YES
L0001513	0	0.11840E-05	467743.4	3767891.3	269.8	3.49	4.00	3.25	YES
L0001514	0	0.11840E-05	467735.2	3767888.8	269.6	3.49	4.00	3.25	YES
L0001515	0	0.11840E-05	467727.0	3767886.2	269.2	3.49	4.00	3.25	YES
L0001516	0	0.11840E-05	467718.8	3767883.6	268.9	3.49	4.00	3.25	YES

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 L0001517         0   0.11840E-05  467710.6 3767881.1   268.5     3.49     4.00
3.25     YES
 L0001518         0   0.11840E-05  467702.4 3767878.5   268.4     3.49     4.00
3.25     YES
 L0001519         0   0.11840E-05  467694.2 3767875.9   268.3     3.49     4.00
3.25     YES
 L0001520         0   0.11840E-05  467686.0 3767873.3   268.2     3.49     4.00
3.25     YES
 L0001521         0   0.11840E-05  467677.8 3767870.8   268.1     3.49     4.00
3.25     YES
 L0001522         0   0.33410E-05  468344.8 3767902.1   270.0     3.49     4.00
3.25     YES
 L0001523         0   0.33410E-05  468353.3 3767901.5   270.0     3.49     4.00
3.25     YES
 L0001524         0   0.33410E-05  468361.9 3767901.0   270.0     3.49     4.00
3.25     YES
 L0001525         0   0.33410E-05  468370.5 3767900.5   270.0     3.49     4.00
3.25     YES
 L0001526         0   0.33410E-05  468379.1 3767900.0   270.0     3.49     4.00
3.25     YES
 L0001527         0   0.33410E-05  468387.6 3767899.5   270.0     3.49     4.00
3.25     YES
 L0001528         0   0.33410E-05  468396.2 3767898.9   270.0     3.49     4.00
3.25     YES
 L0001529         0   0.33410E-05  468404.8 3767898.4   270.0     3.49     4.00
3.25     YES
 L0001530         0   0.33410E-05  468413.4 3767897.9   270.0     3.49     4.00
3.25     YES
 L0001531         0   0.33410E-05  468421.9 3767897.4   270.0     3.49     4.00
3.25     YES
 L0001532         0   0.33410E-05  468430.5 3767896.8   270.0     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001533	0	0.33410E-05	468439.1	3767896.3	270.3	3.49	4.00	3.25	YES
L0001534	0	0.33410E-05	468447.7	3767895.8	270.6	3.49	4.00	3.25	YES
L0001535	0	0.33410E-05	468456.2	3767895.3	270.9	3.49	4.00	3.25	YES
L0001536	0	0.33410E-05	468464.8	3767894.8	270.9	3.49	4.00	3.25	YES
L0001537	0	0.33410E-05	468473.4	3767894.2	271.0	3.49	4.00	3.25	YES
L0001538	0	0.33410E-05	468482.0	3767893.7	271.0	3.49	4.00	3.25	YES
L0001539	0	0.33410E-05	468490.5	3767893.2	271.0	3.49	4.00	3.25	YES
L0001540	0	0.33410E-05	468499.1	3767892.7	271.0	3.49	4.00	3.25	YES
L0001541	0	0.33410E-05	468507.7	3767892.1	271.0	3.49	4.00	3.25	YES
L0001542	0	0.33410E-05	468516.3	3767891.6	271.0	3.49	4.00	3.25	YES
L0001543	0	0.33410E-05	468524.8	3767891.1	271.0	3.49	4.00	3.25	YES
L0001544	0	0.33410E-05	468533.4	3767890.6	271.0	3.49	4.00	3.25	YES
L0001545	0	0.33410E-05	468542.0	3767890.1	271.0	3.49	4.00	3.25	YES
L0001546	0	0.33410E-05	468550.6	3767889.5	271.0	3.49	4.00	3.25	YES
L0001547	0	0.33410E-05	468559.1	3767889.0	271.0	3.49	4.00	3.25	YES
L0001548	0	0.33410E-05	468567.7	3767888.5	271.0	3.49	4.00	3.25	YES
L0001549	0	0.33410E-05	468576.3	3767888.0	271.0	3.49	4.00	3.25	YES
L0001550	0	0.33410E-05	468584.8	3767887.4	271.1	3.49	4.00	3.25	YES
L0001551	0	0.33410E-05	468593.4	3767886.9	271.3	3.49	4.00	3.25	YES
L0001552	0	0.33410E-05	468602.0	3767886.4	271.5	3.49	4.00	3.25	YES
L0001553	0	0.33410E-05	468610.6	3767885.9	271.7	3.49	4.00	3.25	YES
L0001554	0	0.33410E-05	468619.1	3767885.4	271.8	3.49	4.00	3.25	YES
L0001555	0	0.33410E-05	468627.7	3767884.8	271.9	3.49	4.00	3.25	YES
L0001556	0	0.33410E-05	468636.3	3767884.3	272.0	3.49	4.00	3.25	YES

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 L0001557         0   0.33410E-05  468644.9 3767883.8   272.0     3.49     4.00
3.25     YES
 L0001558         0   0.33410E-05  468653.4 3767883.3   272.0     3.49     4.00
3.25     YES
 L0001559         0   0.89800E-06  468324.1 3768062.2   272.1     3.49     4.00
3.25     YES
 L0001560         0   0.89800E-06  468323.9 3768053.6   271.5     3.49     4.00
3.25     YES
 L0001561         0   0.89800E-06  468323.6 3768045.0   271.0     3.49     4.00
3.25     YES
 L0001562         0   0.89800E-06  468323.4 3768036.5   271.0     3.49     4.00
3.25     YES
 L0001563         0   0.89800E-06  468323.2 3768027.9   271.0     3.49     4.00
3.25     YES
 L0001564         0   0.89800E-06  468323.0 3768019.3   271.0     3.49     4.00
3.25     YES
 L0001565         0   0.89800E-06  468322.8 3768010.7   270.9     3.49     4.00
3.25     YES
 L0001566         0   0.89800E-06  468322.6 3768002.1   270.7     3.49     4.00
3.25     YES
 L0001567         0   0.89800E-06  468322.4 3767993.5   270.6     3.49     4.00
3.25     YES
 L0001568         0   0.89800E-06  468322.2 3767984.9   270.4     3.49     4.00
3.25     YES
 L0001569         0   0.89800E-06  468322.0 3767976.3   270.3     3.49     4.00
3.25     YES
 L0001570         0   0.89800E-06  468321.8 3767967.8   270.2     3.49     4.00
3.25     YES
 L0001571         0   0.89800E-06  468321.6 3767959.2   270.0     3.49     4.00
3.25     YES
 L0001572         0   0.89800E-06  468321.4 3767950.6   270.0     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001573	0	0.89800E-06	468321.2	3767942.0	270.0	3.49	4.00	3.25	YES
L0001574	0	0.89800E-06	468321.0	3767933.4	270.0	3.49	4.00	3.25	YES
L0001575	0	0.89800E-06	468320.8	3767924.8	270.0	3.49	4.00	3.25	YES
L0001576	0	0.89800E-06	468320.6	3767916.2	270.0	3.49	4.00	3.25	YES
L0001577	0	0.89800E-06	468320.4	3767907.6	270.0	3.49	4.00	3.25	YES
L0001578	0	0.89800E-06	468320.2	3767899.1	270.0	3.49	4.00	3.25	YES
L0001579	0	0.89800E-06	468320.3	3767890.6	270.0	3.49	4.00	3.25	YES
L0001580	0	0.89800E-06	468325.1	3767883.4	270.0	3.49	4.00	3.25	YES
L0001581	0	0.89800E-06	468332.6	3767881.0	270.0	3.49	4.00	3.25	YES
L0001582	0	0.89800E-06	468341.1	3767880.6	270.0	3.49	4.00	3.25	YES
L0001583	0	0.89800E-06	468349.7	3767880.2	270.0	3.49	4.00	3.25	YES
L0001584	0	0.89800E-06	468358.3	3767879.8	270.0	3.49	4.00	3.25	YES
L0001585	0	0.89800E-06	468366.9	3767879.3	270.0	3.49	4.00	3.25	YES
L0001586	0	0.89800E-06	468375.5	3767878.9	270.0	3.49	4.00	3.25	YES
L0001587	0	0.89800E-06	468384.0	3767878.5	270.0	3.49	4.00	3.25	YES
L0001588	0	0.89800E-06	468392.6	3767878.0	270.0	3.49	4.00	3.25	YES
L0001589	0	0.89800E-06	468401.2	3767877.6	270.0	3.49	4.00	3.25	YES
L0001590	0	0.89800E-06	468409.8	3767877.2	270.0	3.49	4.00	3.25	YES
L0001591	0	0.89800E-06	468418.4	3767876.8	270.0	3.49	4.00	3.25	YES
L0001592	0	0.89800E-06	468426.9	3767876.3	270.0	3.49	4.00	3.25	YES
L0001593	0	0.89800E-06	468435.5	3767875.9	270.1	3.49	4.00	3.25	YES
L0001594	0	0.89800E-06	468444.1	3767875.5	270.1	3.49	4.00	3.25	YES
L0001595	0	0.89800E-06	468452.7	3767875.1	270.2	3.49	4.00	3.25	YES
L0001596	0	0.89800E-06	468461.3	3767874.6	270.3	3.49	4.00	3.25	YES

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 L0001597         0   0.89800E-06  468469.8 3767874.2   270.5     3.49     4.00
3.25     YES
 L0001598         0   0.89800E-06  468478.4 3767873.8   270.7     3.49     4.00
3.25     YES
 L0001599         0   0.89800E-06  468487.0 3767873.3   270.9     3.49     4.00
3.25     YES
 L0001600         0   0.89800E-06  468495.6 3767872.9   271.0     3.49     4.00
3.25     YES
 L0001601         0   0.89800E-06  468504.1 3767872.5   271.0     3.49     4.00
3.25     YES
 L0001602         0   0.89800E-06  468512.7 3767872.1   271.0     3.49     4.00
3.25     YES
 L0001603         0   0.89800E-06  468521.3 3767871.6   271.0     3.49     4.00
3.25     YES
 L0001604         0   0.89800E-06  468529.9 3767871.2   271.0     3.49     4.00
3.25     YES
 L0001605         0   0.89800E-06  468538.5 3767870.8   271.0     3.49     4.00
3.25     YES
 L0001606         0   0.89800E-06  468547.0 3767870.3   271.0     3.49     4.00
3.25     YES
 L0001607         0   0.89800E-06  468555.6 3767869.9   271.0     3.49     4.00
3.25     YES
 L0001608         0   0.89800E-06  468564.2 3767869.5   271.0     3.49     4.00
3.25     YES
 L0001609         0   0.89800E-06  468572.8 3767869.1   271.0     3.49     4.00
3.25     YES
 L0001610         0   0.89800E-06  468581.4 3767868.6   271.0     3.49     4.00
3.25     YES
 L0001611         0   0.89800E-06  468589.9 3767868.2   271.0     3.49     4.00
3.25     YES
 L0001612         0   0.89800E-06  468598.5 3767867.8   271.0     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001613	0	0.89800E-06	468607.1	3767867.4	271.0	3.49	4.00	3.25	YES
L0001614	0	0.89800E-06	468615.7	3767866.9	271.2	3.49	4.00	3.25	YES
L0001615	0	0.89800E-06	468624.3	3767866.5	271.5	3.49	4.00	3.25	YES
L0001616	0	0.89800E-06	468632.8	3767866.1	271.8	3.49	4.00	3.25	YES
L0001617	0	0.89800E-06	468641.4	3767865.6	272.0	3.49	4.00	3.25	YES
L0001618	0	0.89800E-06	468650.0	3767865.2	272.0	3.49	4.00	3.25	YES
L0001619	0	0.89800E-06	468658.6	3767864.8	272.0	3.49	4.00	3.25	YES
L0001620	0	0.89800E-06	468667.2	3767864.4	272.0	3.49	4.00	3.25	YES
L0001621	0	0.89800E-06	468672.8	3767867.2	272.0	3.49	4.00	3.25	YES
L0001622	0	0.89800E-06	468673.2	3767875.8	272.0	3.49	4.00	3.25	YES
L0001623	0	0.89800E-06	468673.7	3767884.4	272.0	3.49	4.00	3.25	YES
L0001624	0	0.89800E-06	468674.1	3767893.0	272.0	3.49	4.00	3.25	YES
L0001625	0	0.89800E-06	468674.6	3767901.5	272.0	3.49	4.00	3.25	YES
L0001626	0	0.89800E-06	468675.0	3767910.1	272.0	3.49	4.00	3.25	YES
L0001627	0	0.89800E-06	468675.5	3767918.7	272.0	3.49	4.00	3.25	YES
L0001628	0	0.89800E-06	468675.9	3767927.3	272.0	3.49	4.00	3.25	YES
L0001629	0	0.89800E-06	468676.4	3767935.9	272.0	3.49	4.00	3.25	YES
L0001630	0	0.89800E-06	468676.9	3767944.4	272.0	3.49	4.00	3.25	YES
L0001631	0	0.89800E-06	468677.3	3767953.0	272.0	3.49	4.00	3.25	YES
L0001632	0	0.89800E-06	468677.3	3767961.6	272.0	3.49	4.00	3.25	YES
L0001633	0	0.89800E-06	468677.4	3767970.2	272.0	3.49	4.00	3.25	YES
L0001634	0	0.89800E-06	468677.5	3767978.8	272.0	3.49	4.00	3.25	YES
L0001635	0	0.89800E-06	468677.5	3767987.4	272.0	3.49	4.00	3.25	YES
L0001636	0	0.89800E-06	468677.6	3767996.0	272.3	3.49	4.00	3.25	YES

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 L0001637         0   0.89800E-06  468677.7 3768004.6   272.6     3.49     4.00
3.25     YES
 L0001638         0   0.89800E-06  468675.6 3768012.7   272.9     3.49     4.00
3.25     YES
 L0001639         0   0.89800E-06  468672.1 3768020.6   273.1     3.49     4.00
3.25     YES
 L0001640         0   0.89800E-06  468668.7 3768028.4   273.4     3.49     4.00
3.25     YES
 L0001641         0   0.89800E-06  468665.2 3768036.3   273.6     3.49     4.00
3.25     YES
 L0001642         0   0.89800E-06  468661.8 3768044.2   273.7     3.49     4.00
3.25     YES
 L0001643         0   0.89800E-06  468658.4 3768052.0   274.1     3.49     4.00
3.25     YES
 L0001644         0   0.89800E-06  468654.9 3768059.9   274.6     3.49     4.00
3.25     YES
 L0001645         0   0.89800E-06  468651.5 3768067.8   275.2     3.49     4.00
3.25     YES
 L0001646         0   0.15320E-06  467630.0 3767920.2   271.5     3.49     4.00
3.25     YES
 L0001647         0   0.15320E-06  467621.8 3767917.9   271.4     3.49     4.00
3.25     YES
 L0001648         0   0.15320E-06  467613.5 3767915.6   271.4     3.49     4.00
3.25     YES
 L0001649         0   0.15320E-06  467605.2 3767913.3   271.4     3.49     4.00
3.25     YES
 L0001650         0   0.15320E-06  467597.0 3767910.9   271.3     3.49     4.00
3.25     YES
 L0001651         0   0.15320E-06  467588.7 3767908.6   271.2     3.49     4.00
3.25     YES
 L0001652         0   0.15320E-06  467580.4 3767906.3   271.0     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001653	0	0.15320E-06	467572.1	3767904.0	270.8	3.49	4.00	3.25	YES
L0001654	0	0.15320E-06	467563.9	3767901.7	270.5	3.49	4.00	3.25	YES
L0001655	0	0.15320E-06	467556.0	3767898.4	270.3	3.49	4.00	3.25	YES
L0001656	0	0.15320E-06	467548.4	3767894.4	270.3	3.49	4.00	3.25	YES
L0001657	0	0.15320E-06	467540.8	3767890.3	270.4	3.49	4.00	3.25	YES
L0001658	0	0.15320E-06	467533.2	3767886.3	270.5	3.49	4.00	3.25	YES
L0001659	0	0.15320E-06	467525.6	3767882.3	270.5	3.49	4.00	3.25	YES
L0001660	0	0.15320E-06	467518.0	3767878.3	270.3	3.49	4.00	3.25	YES
L0001661	0	0.15320E-06	467510.4	3767874.3	269.9	3.49	4.00	3.25	YES
L0001662	0	0.15320E-06	467502.8	3767870.3	269.5	3.49	4.00	3.25	YES
L0001663	0	0.15320E-06	467495.2	3767866.3	268.9	3.49	4.00	3.25	YES
L0001664	0	0.15320E-06	467487.6	3767862.3	268.5	3.49	4.00	3.25	YES
L0001665	0	0.15320E-06	467480.3	3767857.9	268.2	3.49	4.00	3.25	YES
L0001666	0	0.15320E-06	467473.5	3767852.6	268.1	3.49	4.00	3.25	YES
L0001667	0	0.15320E-06	467466.8	3767847.2	268.1	3.49	4.00	3.25	YES
L0001668	0	0.15320E-06	467460.0	3767841.9	268.1	3.49	4.00	3.25	YES
L0001669	0	0.15320E-06	467453.3	3767836.6	268.0	3.49	4.00	3.25	YES
L0001670	0	0.15320E-06	467446.5	3767831.3	268.0	3.49	4.00	3.25	YES
L0001671	0	0.15320E-06	467439.8	3767826.0	268.0	3.49	4.00	3.25	YES
L0001672	0	0.15320E-06	467433.0	3767820.7	268.1	3.49	4.00	3.25	YES
L0001673	0	0.15320E-06	467426.3	3767815.4	268.1	3.49	4.00	3.25	YES
L0001674	0	0.15320E-06	467419.5	3767810.1	268.1	3.49	4.00	3.25	YES
L0001675	0	0.15320E-06	467412.8	3767804.7	268.0	3.49	4.00	3.25	YES
L0001676	0	0.15320E-06	467405.7	3767799.9	268.0	3.49	4.00	3.25	YES

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 L0001677         0   0.15320E-06  467398.6 3767795.0   268.0     3.49     4.00
3.25     YES
 L0001678         0   0.15320E-06  467391.6 3767790.1   268.0     3.49     4.00
3.25     YES
 L0001679         0   0.15320E-06  467384.5 3767785.2   268.0     3.49     4.00
3.25     YES
 L0001680         0   0.15320E-06  467377.4 3767780.4   268.0     3.49     4.00
3.25     YES
 L0001681         0   0.15320E-06  467370.3 3767775.5   268.0     3.49     4.00
3.25     YES
 L0001682         0   0.15320E-06  467363.3 3767770.6   268.0     3.49     4.00
3.25     YES
 L0001683         0   0.15320E-06  467356.2 3767765.7   268.0     3.49     4.00
3.25     YES
 L0001684         0   0.15320E-06  467349.1 3767760.9   268.0     3.49     4.00
3.25     YES
 L0001685         0   0.15320E-06  467342.1 3767756.0   268.2     3.49     4.00
3.25     YES
 L0001686         0   0.15320E-06  467335.0 3767751.1   268.2     3.49     4.00
3.25     YES
 L0001687         0   0.15320E-06  467327.9 3767746.2   268.0     3.49     4.00
3.25     YES
 L0001688         0   0.15320E-06  467320.8 3767741.3   268.0     3.49     4.00
3.25     YES
 L0001689         0   0.15320E-06  467313.8 3767736.5   268.3     3.49     4.00
3.25     YES
 L0001690         0   0.15320E-06  467306.7 3767731.6   268.4     3.49     4.00
3.25     YES
 L0001691         0   0.15320E-06  467299.6 3767726.7   268.4     3.49     4.00
3.25     YES
 L0001692         0   0.15320E-06  467292.6 3767721.8   268.3     3.49     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001693	0	0.15320E-06	467285.5	3767717.0	268.0	3.49	4.00	3.25	YES
L0001694	0	0.15320E-06	467278.4	3767712.1	268.0	3.49	4.00	3.25	YES
L0001695	0	0.15320E-06	467271.3	3767707.2	268.0	3.49	4.00	3.25	YES
L0001696	0	0.15320E-06	467264.3	3767702.3	268.0	3.49	4.00	3.25	YES
L0001697	0	0.15320E-06	467257.2	3767697.5	268.1	3.49	4.00	3.25	YES
L0001698	0	0.15320E-06	467250.1	3767692.6	268.2	3.49	4.00	3.25	YES
L0001699	0	0.15320E-06	467243.1	3767687.7	268.1	3.49	4.00	3.25	YES
L0001700	0	0.15320E-06	467236.2	3767682.6	268.0	3.49	4.00	3.25	YES
L0001701	0	0.15320E-06	467229.3	3767677.4	268.0	3.49	4.00	3.25	YES
L0001702	0	0.15320E-06	467222.5	3767672.2	268.4	3.49	4.00	3.25	YES
L0001703	0	0.15320E-06	467215.7	3767667.0	268.5	3.49	4.00	3.25	YES
L0001704	0	0.15320E-06	467208.8	3767661.8	268.4	3.49	4.00	3.25	YES
L0001705	0	0.15320E-06	467202.0	3767656.6	268.0	3.49	4.00	3.25	YES
L0001706	0	0.15320E-06	467195.2	3767651.4	268.2	3.49	4.00	3.25	YES
L0001707	0	0.15320E-06	467188.3	3767646.2	268.5	3.49	4.00	3.25	YES
L0001708	0	0.15320E-06	467181.5	3767641.0	268.6	3.49	4.00	3.25	YES
L0001709	0	0.15320E-06	467174.6	3767635.8	268.5	3.49	4.00	3.25	YES
L0001710	0	0.15320E-06	467167.8	3767630.6	268.4	3.49	4.00	3.25	YES
L0001711	0	0.15320E-06	467161.0	3767625.4	268.2	3.49	4.00	3.25	YES
L0001712	0	0.15320E-06	467154.1	3767620.2	268.2	3.49	4.00	3.25	YES
L0001713	0	0.15320E-06	467147.3	3767615.0	268.1	3.49	4.00	3.25	YES
L0001714	0	0.15320E-06	467140.5	3767609.8	267.9	3.49	4.00	3.25	YES
L0001715	0	0.15320E-06	467133.6	3767604.6	267.9	3.49	4.00	3.25	YES
L0001716	0	0.15320E-06	467126.8	3767599.4	267.7	3.49	4.00	3.25	YES

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 L0001717         0   0.15320E-06  467119.9 3767594.2   267.6     3.49     4.00
3.25     YES
 L0001718         0   0.15320E-06  467113.1 3767589.0   267.7     3.49     4.00
3.25     YES
 L0001719         0   0.15320E-06  467106.3 3767583.8   267.7     3.49     4.00
3.25     YES
 L0001720         0   0.15320E-06  467099.5 3767578.5   267.7     3.49     4.00
3.25     YES
 L0001721         0   0.15320E-06  467093.1 3767572.8   267.8     3.49     4.00
3.25     YES
 L0001722         0   0.15320E-06  467086.7 3767567.0   267.8     3.49     4.00
3.25     YES
 L0001723         0   0.15320E-06  467080.4 3767561.2   267.8     3.49     4.00
3.25     YES
 L0001724         0   0.15320E-06  467074.0 3767555.5   267.7     3.49     4.00
3.25     YES
 L0001725         0   0.15320E-06  467067.6 3767549.7   267.7     3.49     4.00
3.25     YES
 L0001726         0   0.15320E-06  467061.2 3767544.0   267.7     3.49     4.00
3.25     YES
 L0001727         0   0.15320E-06  467054.9 3767538.2   267.8     3.49     4.00
3.25     YES
 L0001728         0   0.15320E-06  467050.1 3767531.1   267.8     3.49     4.00
3.25     YES
 L0001729         0   0.15320E-06  467045.4 3767523.9   267.7     3.49     4.00
3.25     YES
 L0001730         0   0.15320E-06  467040.7 3767516.7   267.6     3.49     4.00
3.25     YES
 L0001731         0   0.15320E-06  467036.1 3767509.5   267.6     3.49     4.00
3.25     YES
 L0001732         0   0.15320E-06  467031.4 3767502.3   267.6     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001733	0	0.15320E-06	467026.7	3767495.1	267.8	3.49	4.00	3.25	YES
L0001734	0	0.15320E-06	467022.1	3767487.8	267.9	3.49	4.00	3.25	YES
L0001735	0	0.15320E-06	467017.4	3767480.6	268.0	3.49	4.00	3.25	YES
L0001736	0	0.15320E-06	467012.7	3767473.4	268.0	3.49	4.00	3.25	YES
L0001737	0	0.15320E-06	467008.1	3767466.2	268.0	3.49	4.00	3.25	YES
L0001738	0	0.15320E-06	467003.0	3767459.3	268.0	3.49	4.00	3.25	YES
L0001739	0	0.15320E-06	466997.4	3767452.7	268.0	3.49	4.00	3.25	YES
L0001740	0	0.15320E-06	466991.9	3767446.2	268.0	3.49	4.00	3.25	YES
L0001741	0	0.15320E-06	466986.4	3767439.6	268.1	3.49	4.00	3.25	YES
L0001742	0	0.15320E-06	466980.9	3767433.0	268.2	3.49	4.00	3.25	YES
L0001743	0	0.15320E-06	466975.3	3767426.4	268.2	3.49	4.00	3.25	YES
L0001744	0	0.15320E-06	466969.8	3767419.8	268.1	3.49	4.00	3.25	YES
L0001745	0	0.15320E-06	466964.3	3767413.3	268.0	3.49	4.00	3.25	YES
L0001746	0	0.15320E-06	466958.8	3767406.7	268.0	3.49	4.00	3.25	YES
L0001747	0	0.15320E-06	466953.2	3767400.1	268.2	3.49	4.00	3.25	YES
L0001748	0	0.15320E-06	466947.7	3767393.5	268.2	3.49	4.00	3.25	YES
L0001749	0	0.15320E-06	466942.1	3767387.0	268.0	3.49	4.00	3.25	YES
L0001750	0	0.15320E-06	466936.2	3767380.8	268.0	3.49	4.00	3.25	YES
L0001751	0	0.15320E-06	466930.3	3767374.6	268.0	3.49	4.00	3.25	YES
L0001752	0	0.15320E-06	466924.4	3767368.3	268.1	3.49	4.00	3.25	YES
L0001753	0	0.15320E-06	466918.5	3767362.1	268.1	3.49	4.00	3.25	YES
L0001754	0	0.15320E-06	466912.6	3767355.8	268.0	3.49	4.00	3.25	YES
L0001755	0	0.15320E-06	466906.7	3767349.6	267.9	3.49	4.00	3.25	YES
L0001756	0	0.15320E-06	466900.8	3767343.4	268.0	3.49	4.00	3.25	YES

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 L0001757         0   0.15320E-06  466894.9 3767337.1   268.1     3.49     4.00
3.25     YES
 L0001758         0   0.15320E-06  466889.0 3767330.9   268.1     3.49     4.00
3.25     YES
 L0001759         0   0.15320E-06  466883.1 3767324.6   267.9     3.49     4.00
3.25     YES
 L0001760         0   0.15320E-06  466877.2 3767318.4   267.7     3.49     4.00
3.25     YES
 L0001761         0   0.15320E-06  466871.3 3767312.1   267.5     3.49     4.00
3.25     YES
 L0001762         0   0.11440E-06  468320.3 3768086.7   273.7     3.49     4.00
3.25     YES
 L0001763         0   0.11440E-06  468311.8 3768087.0   273.7     3.49     4.00
3.25     YES
 L0001764         0   0.11440E-06  468303.2 3768087.3   273.7     3.49     4.00
3.25     YES
 L0001765         0   0.11440E-06  468294.6 3768087.6   273.7     3.49     4.00
3.25     YES
 L0001766         0   0.11440E-06  468286.0 3768087.9   273.8     3.49     4.00
3.25     YES
 L0001767         0   0.11440E-06  468277.4 3768088.1   273.8     3.49     4.00
3.25     YES
 L0001768         0   0.11440E-06  468268.8 3768088.4   273.8     3.49     4.00
3.25     YES
 L0001769         0   0.11440E-06  468260.2 3768088.7   273.8     3.49     4.00
3.25     YES
 L0001770         0   0.11440E-06  468251.7 3768089.0   273.8     3.49     4.00
3.25     YES
 L0001771         0   0.11440E-06  468243.1 3768089.2   273.9     3.49     4.00
3.25     YES
 L0001772         0   0.11440E-06  468234.5 3768089.5   273.9     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001773	0	0.11440E-06	468225.9	3768089.0	273.8	3.49	4.00	3.25	YES
L0001774	0	0.11440E-06	468217.4	3768088.3	273.8	3.49	4.00	3.25	YES
L0001775	0	0.11440E-06	468208.8	3768087.6	273.7	3.49	4.00	3.25	YES
L0001776	0	0.11440E-06	468200.2	3768086.9	273.7	3.49	4.00	3.25	YES
L0001777	0	0.11440E-06	468191.7	3768086.2	273.7	3.49	4.00	3.25	YES
L0001778	0	0.11440E-06	468183.1	3768085.5	273.9	3.49	4.00	3.25	YES
L0001779	0	0.11440E-06	468174.8	3768083.6	273.9	3.49	4.00	3.25	YES
L0001780	0	0.11440E-06	468166.9	3768080.3	273.6	3.49	4.00	3.25	YES
L0001781	0	0.11440E-06	468159.0	3768077.0	273.1	3.49	4.00	3.25	YES
L0001782	0	0.11440E-06	468151.0	3768073.7	273.2	3.49	4.00	3.25	YES
L0001783	0	0.11440E-06	468143.1	3768070.4	273.2	3.49	4.00	3.25	YES
L0001784	0	0.11440E-06	468135.2	3768067.1	273.2	3.49	4.00	3.25	YES
L0001785	0	0.11440E-06	468127.2	3768063.8	273.3	3.49	4.00	3.25	YES
L0001786	0	0.11440E-06	468119.3	3768060.6	273.4	3.49	4.00	3.25	YES
L0001787	0	0.11440E-06	468111.3	3768057.5	273.6	3.49	4.00	3.25	YES
L0001788	0	0.11440E-06	468103.2	3768054.6	273.7	3.49	4.00	3.25	YES
L0001789	0	0.11440E-06	468095.1	3768051.6	273.7	3.49	4.00	3.25	YES
L0001790	0	0.11440E-06	468087.1	3768048.7	273.7	3.49	4.00	3.25	YES
L0001791	0	0.11440E-06	468079.0	3768045.7	273.7	3.49	4.00	3.25	YES
L0001792	0	0.11440E-06	468070.9	3768042.8	273.8	3.49	4.00	3.25	YES
L0001793	0	0.11440E-06	468062.9	3768039.8	274.5	3.49	4.00	3.25	YES
L0001794	0	0.11440E-06	468055.0	3768036.4	275.1	3.49	4.00	3.25	YES
L0001795	0	0.11440E-06	468047.6	3768032.0	275.4	3.49	4.00	3.25	YES
L0001796	0	0.11440E-06	468040.3	3768027.6	275.4	3.49	4.00	3.25	YES

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 L0001797         0   0.11440E-06  468032.9 3768023.2   275.1     3.49     4.00
3.25     YES
 L0001798         0   0.11440E-06  468025.5 3768018.8   274.5     3.49     4.00
3.25     YES
 L0001799         0   0.11440E-06  468018.1 3768014.4   273.9     3.49     4.00
3.25     YES
 L0001800         0   0.11440E-06  468010.7 3768010.0   273.6     3.49     4.00
3.25     YES
 L0001801         0   0.11440E-06  468003.3 3768005.7   273.7     3.49     4.00
3.25     YES
 L0001802         0   0.11440E-06  467995.3 3768002.6   273.9     3.49     4.00
3.25     YES
 L0001803         0   0.11440E-06  467987.2 3767999.7   273.9     3.49     4.00
3.25     YES
 L0001804         0   0.11440E-06  467979.2 3767996.7   273.7     3.49     4.00
3.25     YES
 L0001805         0   0.11440E-06  467971.1 3767993.7   273.5     3.49     4.00
3.25     YES
 L0001806         0   0.11440E-06  467963.1 3767990.7   273.0     3.49     4.00
3.25     YES
 L0001807         0   0.11440E-06  467955.0 3767987.8   272.4     3.49     4.00
3.25     YES
 L0001808         0   0.11440E-06  467946.9 3767984.8   272.0     3.49     4.00
3.25     YES
 L0001809         0   0.11440E-06  467938.9 3767981.8   272.0     3.49     4.00
3.25     YES
 L0001810         0   0.11440E-06  467930.8 3767978.9   272.0     3.49     4.00
3.25     YES
 L0001811         0   0.11440E-06  467922.8 3767975.9   271.9     3.49     4.00
3.25     YES
 L0001812         0   0.11440E-06  467914.5 3767973.8   272.0     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001813	0	0.11440E-06	467906.0	3767972.4	272.5	3.49	4.00	3.25	YES
L0001814	0	0.11440E-06	467897.5	3767971.0	272.9	3.49	4.00	3.25	YES
L0001815	0	0.11440E-06	467889.1	3767969.6	273.4	3.49	4.00	3.25	YES
L0001816	0	0.11440E-06	467880.6	3767968.2	273.4	3.49	4.00	3.25	YES
L0001817	0	0.11440E-06	467872.1	3767966.8	273.3	3.49	4.00	3.25	YES
L0001818	0	0.11440E-06	467863.6	3767965.4	273.3	3.49	4.00	3.25	YES
L0001819	0	0.11440E-06	467855.1	3767964.0	273.2	3.49	4.00	3.25	YES
L0001820	0	0.11440E-06	467846.7	3767962.6	273.2	3.49	4.00	3.25	YES
L0001821	0	0.11440E-06	467838.2	3767961.2	273.2	3.49	4.00	3.25	YES
L0001822	0	0.11440E-06	467829.7	3767959.9	273.1	3.49	4.00	3.25	YES
L0001823	0	0.11440E-06	467821.3	3767958.2	273.1	3.49	4.00	3.25	YES
L0001824	0	0.11440E-06	467812.9	3767956.5	273.0	3.49	4.00	3.25	YES
L0001825	0	0.11440E-06	467804.4	3767954.9	272.9	3.49	4.00	3.25	YES
L0001826	0	0.11440E-06	467796.0	3767953.2	272.9	3.49	4.00	3.25	YES
L0001827	0	0.11440E-06	467787.6	3767951.5	272.8	3.49	4.00	3.25	YES
L0001828	0	0.11440E-06	467779.2	3767949.9	272.8	3.49	4.00	3.25	YES
L0001829	0	0.11440E-06	467770.7	3767948.2	272.7	3.49	4.00	3.25	YES
L0001830	0	0.11440E-06	467762.3	3767946.5	272.7	3.49	4.00	3.25	YES
L0001831	0	0.11440E-06	467753.9	3767944.9	272.6	3.49	4.00	3.25	YES
L0001832	0	0.11440E-06	467745.5	3767943.2	272.6	3.49	4.00	3.25	YES
L0001833	0	0.11440E-06	467737.0	3767941.5	272.5	3.49	4.00	3.25	YES
L0001834	0	0.11440E-06	467728.6	3767939.9	272.6	3.49	4.00	3.25	YES
L0001835	0	0.11440E-06	467720.2	3767938.2	272.6	3.49	4.00	3.25	YES
L0001836	0	0.11440E-06	467711.7	3767936.5	272.7	3.49	4.00	3.25	YES

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 L0001837         0   0.11440E-06  467703.3 3767934.9   272.6     3.49     4.00
3.25     YES
 L0001838         0   0.11440E-06  467694.9 3767933.2   272.6     3.49     4.00
3.25     YES
 L0001839         0   0.11440E-06  467686.5 3767931.5   272.5     3.49     4.00
3.25     YES
 L0001840         0   0.11440E-06  467678.0 3767929.9   272.4     3.49     4.00
3.25     YES
 L0001841         0   0.11440E-06  467669.5 3767928.6   272.3     3.49     4.00
3.25     YES
 L0001842         0   0.11440E-06  467661.1 3767927.3   272.1     3.49     4.00
3.25     YES
 L0001843         0   0.11440E-06  467652.6 3767925.9   271.9     3.49     4.00
3.25     YES
 L0001844         0   0.11440E-06  467644.1 3767924.6   271.8     3.49     4.00
3.25     YES
 L0001845         0   0.11440E-06  467635.6 3767923.3   271.7     3.49     4.00
3.25     YES
 L0001846         0   0.37890E-06  468335.2 3768086.4   273.7     3.49     4.00
3.25     YES
 L0001847         0   0.37890E-06  468343.7 3768085.3   273.6     3.49     4.00
3.25     YES
 L0001848         0   0.37890E-06  468352.2 3768084.1   273.5     3.49     4.00
3.25     YES
 L0001849         0   0.37890E-06  468360.7 3768083.0   273.4     3.49     4.00
3.25     YES
 L0001850         0   0.37890E-06  468369.2 3768081.9   273.4     3.49     4.00
3.25     YES
 L0001851         0   0.37890E-06  468377.8 3768080.8   273.3     3.49     4.00
3.25     YES
 L0001852         0   0.37890E-06  468386.3 3768079.7   273.2     3.49     4.00
3.25     YES
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                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001853	0	0.37890E-06	468394.8	3768078.5	273.1	3.49	4.00	3.25	YES
L0001854	0	0.37890E-06	468403.3	3768077.4	273.1	3.49	4.00	3.25	YES
L0001855	0	0.37890E-06	468411.8	3768076.3	273.0	3.49	4.00	3.25	YES
L0001856	0	0.37890E-06	468420.4	3768075.7	273.0	3.49	4.00	3.25	YES
L0001857	0	0.37890E-06	468429.0	3768075.5	273.0	3.49	4.00	3.25	YES
L0001858	0	0.37890E-06	468437.6	3768075.3	273.2	3.49	4.00	3.25	YES
L0001859	0	0.37890E-06	468446.1	3768075.1	273.5	3.49	4.00	3.25	YES
L0001860	0	0.37890E-06	468454.7	3768074.9	273.7	3.49	4.00	3.25	YES
L0001861	0	0.37890E-06	468463.3	3768074.7	273.9	3.49	4.00	3.25	YES
L0001862	0	0.37890E-06	468471.9	3768074.5	273.9	3.49	4.00	3.25	YES
L0001863	0	0.37890E-06	468480.5	3768074.3	273.9	3.49	4.00	3.25	YES
L0001864	0	0.37890E-06	468489.1	3768074.1	273.8	3.49	4.00	3.25	YES
L0001865	0	0.37890E-06	468497.7	3768073.9	273.9	3.49	4.00	3.25	YES
L0001866	0	0.37890E-06	468506.3	3768073.7	273.9	3.49	4.00	3.25	YES
L0001867	0	0.37890E-06	468514.8	3768073.5	273.9	3.49	4.00	3.25	YES
L0001868	0	0.37890E-06	468523.4	3768073.3	274.0	3.49	4.00	3.25	YES
L0001869	0	0.37890E-06	468532.0	3768073.1	274.2	3.49	4.00	3.25	YES
L0001870	0	0.37890E-06	468540.6	3768072.9	274.5	3.49	4.00	3.25	YES
L0001871	0	0.37890E-06	468549.2	3768072.7	274.7	3.49	4.00	3.25	YES
L0001872	0	0.37890E-06	468557.8	3768072.5	274.7	3.49	4.00	3.25	YES
L0001873	0	0.37890E-06	468566.4	3768072.3	274.7	3.49	4.00	3.25	YES
L0001874	0	0.37890E-06	468575.0	3768072.1	274.7	3.49	4.00	3.25	YES
L0001875	0	0.37890E-06	468583.5	3768072.0	274.7	3.49	4.00	3.25	YES
L0001876	0	0.37890E-06	468592.0	3768073.2	274.8	3.49	4.00	3.25	YES

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 L0001877         0   0.37890E-06  468600.6 3768074.4   274.9     3.49     4.00
3.25     YES
 L0001878         0   0.37890E-06  468609.1 3768075.5   274.9     3.49     4.00
3.25     YES
 L0001879         0   0.37890E-06  468617.6 3768076.7   275.3     3.49     4.00
3.25     YES
 L0001880         0   0.37890E-06  468626.1 3768077.9   275.7     3.49     4.00
3.25     YES
 L0001881         0   0.37890E-06  468634.6 3768079.1   276.0     3.49     4.00
3.25     YES
 L0001882         0   0.37890E-06  468643.1 3768080.3   276.3     3.49     4.00
3.25     YES
 L0001883         0   0.37890E-06  468651.6 3768081.5   276.3     3.49     4.00
3.25     YES
 L0001884         0   0.61000E-06  468662.2 3768085.6   276.6     3.49     4.00
3.25     YES
 L0001885         0   0.61000E-06  468670.3 3768088.3   276.8     3.49     4.00
3.25     YES
 L0001886         0   0.61000E-06  468678.5 3768091.0   277.0     3.49     4.00
3.25     YES
 L0001887         0   0.61000E-06  468686.6 3768093.7   277.2     3.49     4.00
3.25     YES
 L0001888         0   0.61000E-06  468694.8 3768096.4   277.3     3.49     4.00
3.25     YES
 L0001889         0   0.61000E-06  468702.9 3768099.1   277.5     3.49     4.00
3.25     YES
 L0001890         0   0.61000E-06  468711.1 3768101.9   277.7     3.49     4.00
3.25     YES
 L0001891         0   0.61000E-06  468719.2 3768104.6   277.9     3.49     4.00
3.25     YES
 L0001892         0   0.61000E-06  468727.4 3768107.3   278.1     3.49     4.00
3.25     YES
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                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001893	0	0.61000E-06	468735.5	3768110.0	278.0	3.49	4.00	3.25	YES
L0001894	0	0.61000E-06	468743.7	3768112.7	277.9	3.49	4.00	3.25	YES
L0001895	0	0.61000E-06	468751.8	3768115.4	277.9	3.49	4.00	3.25	YES
L0001896	0	0.61000E-06	468760.0	3768118.2	277.8	3.49	4.00	3.25	YES
L0001897	0	0.61000E-06	468768.1	3768120.9	277.7	3.49	4.00	3.25	YES
L0001898	0	0.61000E-06	468776.3	3768123.6	277.6	3.49	4.00	3.25	YES
L0001899	0	0.61000E-06	468784.4	3768126.3	277.5	3.49	4.00	3.25	YES
L0001900	0	0.61000E-06	468792.5	3768129.0	277.5	3.49	4.00	3.25	YES
L0001901	0	0.61000E-06	468800.6	3768131.9	277.7	3.49	4.00	3.25	YES
L0001902	0	0.61000E-06	468808.7	3768134.9	277.9	3.49	4.00	3.25	YES
L0001903	0	0.61000E-06	468816.7	3768137.9	278.1	3.49	4.00	3.25	YES
L0001904	0	0.61000E-06	468824.8	3768140.9	278.0	3.49	4.00	3.25	YES
L0001905	0	0.61000E-06	468832.8	3768143.9	277.9	3.49	4.00	3.25	YES
L0001906	0	0.61000E-06	468840.9	3768146.9	277.9	3.49	4.00	3.25	YES
L0001907	0	0.61000E-06	468849.0	3768149.9	277.9	3.49	4.00	3.25	YES
L0001908	0	0.61000E-06	468857.0	3768152.9	278.0	3.49	4.00	3.25	YES
L0001909	0	0.61000E-06	468865.1	3768155.8	278.0	3.49	4.00	3.25	YES
L0001910	0	0.61000E-06	468873.1	3768158.8	277.9	3.49	4.00	3.25	YES
L0001911	0	0.61000E-06	468881.2	3768161.8	277.9	3.49	4.00	3.25	YES
L0001912	0	0.61000E-06	468889.5	3768163.9	277.9	3.49	4.00	3.25	YES
L0001913	0	0.61000E-06	468897.9	3768165.4	278.0	3.49	4.00	3.25	YES
L0001914	0	0.61000E-06	468906.4	3768166.9	278.0	3.49	4.00	3.25	YES
L0001915	0	0.61000E-06	468914.8	3768168.4	278.1	3.49	4.00	3.25	YES
L0001916	0	0.61000E-06	468923.3	3768169.8	278.1	3.49	4.00	3.25	YES

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 L0001917         0   0.61000E-06  468931.8 3768171.3   278.2     3.49     4.00
3.25     YES
 L0001918         0   0.61000E-06  468940.2 3768172.8   278.2     3.49     4.00
3.25     YES
 L0001919         0   0.61000E-06  468948.7 3768174.3   278.3     3.49     4.00
3.25     YES
 L0001920         0   0.61000E-06  468957.1 3768175.8   278.3     3.49     4.00
3.25     YES
 L0001921         0   0.61000E-06  468965.6 3768177.2   278.4     3.49     4.00
3.25     YES
 L0001922         0   0.61000E-06  468974.1 3768178.7   278.5     3.49     4.00
3.25     YES
 L0001923         0   0.61000E-06  468982.5 3768180.2   278.7     3.49     4.00
3.25     YES
 L0001924         0   0.61000E-06  468991.0 3768181.7   278.9     3.49     4.00
3.25     YES
 L0001925         0   0.61000E-06  468999.5 3768183.1   279.0     3.49     4.00
3.25     YES
 L0001926         0   0.61000E-06  469007.9 3768184.6   279.0     3.49     4.00
3.25     YES
 L0001927         0   0.61000E-06  469016.4 3768186.1   279.0     3.49     4.00
3.25     YES
 L0001928         0   0.61000E-06  469024.8 3768187.6   279.0     3.49     4.00
3.25     YES
 L0001929         0   0.61000E-06  469033.3 3768189.1   279.0     3.49     4.00
3.25     YES
 L0001930         0   0.61000E-06  469041.8 3768190.5   279.0     3.49     4.00
3.25     YES
 L0001931         0   0.61000E-06  469050.2 3768192.0   279.0     3.49     4.00
3.25     YES
 L0001932         0   0.61000E-06  469058.7 3768193.5   279.0     3.49     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001933	0	0.61000E-06	469067.2	3768195.0	279.0	3.49	4.00	3.25	YES
L0001934	0	0.61000E-06	469075.6	3768196.5	279.0	3.49	4.00	3.25	YES
L0001935	0	0.61000E-06	469084.1	3768197.9	279.1	3.49	4.00	3.25	YES
L0001936	0	0.61000E-06	469092.5	3768199.4	279.1	3.49	4.00	3.25	YES
L0001937	0	0.26770E-06	469103.4	3768212.2	279.5	3.49	4.00	3.25	YES
L0001938	0	0.26770E-06	469103.2	3768220.8	279.8	3.49	4.00	3.25	YES
L0001939	0	0.26770E-06	469103.0	3768229.4	280.1	3.49	4.00	3.25	YES
L0001940	0	0.26770E-06	469102.8	3768238.0	280.4	3.49	4.00	3.25	YES
L0001941	0	0.26770E-06	469102.6	3768246.6	280.7	3.49	4.00	3.25	YES
L0001942	0	0.26770E-06	469102.4	3768255.1	281.0	3.49	4.00	3.25	YES
L0001943	0	0.26770E-06	469102.2	3768263.7	281.2	3.49	4.00	3.25	YES
L0001944	0	0.26770E-06	469102.0	3768272.3	281.5	3.49	4.00	3.25	YES
L0001945	0	0.26770E-06	469101.9	3768280.9	281.8	3.49	4.00	3.25	YES
L0001946	0	0.26770E-06	469101.7	3768289.5	282.1	3.49	4.00	3.25	YES
L0001947	0	0.26770E-06	469101.5	3768298.1	282.4	3.49	4.00	3.25	YES
L0001948	0	0.26770E-06	469101.3	3768306.7	282.7	3.49	4.00	3.25	YES
L0001949	0	0.26770E-06	469101.1	3768315.3	283.0	3.49	4.00	3.25	YES
L0001950	0	0.26770E-06	469100.9	3768323.9	283.2	3.49	4.00	3.25	YES
L0001951	0	0.26770E-06	469100.7	3768332.4	283.5	3.49	4.00	3.25	YES
L0001952	0	0.26770E-06	469100.5	3768341.0	283.8	3.49	4.00	3.25	YES
L0001953	0	0.26770E-06	469100.3	3768349.6	284.1	3.49	4.00	3.25	YES
L0001954	0	0.26770E-06	469100.2	3768358.2	284.4	3.49	4.00	3.25	YES
L0001955	0	0.26770E-06	469100.0	3768366.8	284.7	3.49	4.00	3.25	YES
L0001956	0	0.26770E-06	469100.0	3768375.4	285.0	3.49	4.00	3.25	YES

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 L0001957         0   0.26770E-06  469100.1 3768384.0   285.2     3.49     4.00
3.25     YES
 L0001958         0   0.26770E-06  469100.2 3768392.6   285.5     3.49     4.00
3.25     YES
 L0001959         0   0.26770E-06  469100.4 3768401.1   285.8     3.49     4.00
3.25     YES
 L0001960         0   0.26770E-06  469100.5 3768409.7   286.1     3.49     4.00
3.25     YES
 L0001961         0   0.26770E-06  469100.7 3768418.3   286.4     3.49     4.00
3.25     YES
 L0001962         0   0.26770E-06  469100.8 3768426.9   286.7     3.49     4.00
3.25     YES
 L0001963         0   0.26770E-06  469100.9 3768435.5   287.0     3.49     4.00
3.25     YES
 L0001964         0   0.26770E-06  469101.1 3768444.1   287.2     3.49     4.00
3.25     YES
 L0001965         0   0.26770E-06  469101.2 3768452.7   287.5     3.49     4.00
3.25     YES
 L0001966         0   0.26770E-06  469101.3 3768461.3   287.8     3.49     4.00
3.25     YES
 L0001967         0   0.26770E-06  469101.5 3768469.9   288.1     3.49     4.00
3.25     YES
 L0001968         0   0.26770E-06  469101.6 3768478.4   288.4     3.49     4.00
3.25     YES
 L0001969         0   0.26770E-06  469103.0 3768486.8   288.7     3.49     4.00
3.25     YES
 L0001970         0   0.26770E-06  469105.5 3768495.0   288.9     3.49     4.00
3.25     YES
 L0001971         0   0.26770E-06  469108.1 3768503.2   289.4     3.49     4.00
3.25     YES
 L0001972         0   0.26770E-06  469110.7 3768511.4   290.0     3.49     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0001973	0	0.26770E-06	469113.3	3768519.6	290.5	3.49	4.00	3.25	YES
L0001974	0	0.26770E-06	469115.9	3768527.8	291.0	3.49	4.00	3.25	YES
L0001975	0	0.26770E-06	469118.5	3768536.0	291.3	3.49	4.00	3.25	YES
L0001976	0	0.26770E-06	469121.1	3768544.2	291.6	3.49	4.00	3.25	YES
L0001977	0	0.26770E-06	469123.7	3768552.4	291.8	3.49	4.00	3.25	YES
L0001978	0	0.26770E-06	469126.3	3768560.5	292.1	3.49	4.00	3.25	YES
L0001979	0	0.26770E-06	469128.9	3768568.7	292.4	3.49	4.00	3.25	YES
L0001980	0	0.26770E-06	469131.5	3768576.9	292.7	3.49	4.00	3.25	YES
L0001981	0	0.26770E-06	469134.1	3768585.1	293.0	3.49	4.00	3.25	YES
L0001982	0	0.26770E-06	469136.8	3768593.3	293.1	3.49	4.00	3.25	YES
L0001983	0	0.26770E-06	469139.7	3768601.4	293.2	3.49	4.00	3.25	YES
L0001984	0	0.26770E-06	469142.5	3768609.5	293.2	3.49	4.00	3.25	YES
L0001985	0	0.26770E-06	469145.4	3768617.5	293.2	3.49	4.00	3.25	YES
L0001986	0	0.26770E-06	469148.3	3768625.6	293.3	3.49	4.00	3.25	YES
L0001987	0	0.26770E-06	469151.1	3768633.7	293.5	3.49	4.00	3.25	YES
L0001988	0	0.26770E-06	469154.0	3768641.8	293.7	3.49	4.00	3.25	YES
L0001989	0	0.26770E-06	469156.1	3768650.1	293.8	3.49	4.00	3.25	YES
L0001990	0	0.26770E-06	469157.7	3768658.6	293.8	3.49	4.00	3.25	YES
L0001991	0	0.26770E-06	469159.3	3768667.0	293.9	3.49	4.00	3.25	YES
L0001992	0	0.26770E-06	469160.9	3768675.5	294.0	3.49	4.00	3.25	YES
L0001993	0	0.26770E-06	469162.5	3768683.9	294.1	3.49	4.00	3.25	YES
L0001994	0	0.26770E-06	469164.1	3768692.3	294.3	3.49	4.00	3.25	YES
L0001995	0	0.26770E-06	469165.7	3768700.8	294.4	3.49	4.00	3.25	YES
L0001996	0	0.26770E-06	469167.3	3768709.2	294.5	3.49	4.00	3.25	YES

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 L0001997         0   0.26770E-06  469168.9 3768717.7   294.7     3.49     4.00
3.25     YES
 L0001998         0   0.26770E-06  469170.5 3768726.1   295.0     3.49     4.00
3.25     YES
 L0001999         0   0.26770E-06  469172.1 3768734.5   295.2     3.49     4.00
3.25     YES
 L0002000         0   0.26770E-06  469173.7 3768743.0   295.2     3.49     4.00
3.25     YES
 L0002001         0   0.26770E-06  469175.2 3768751.4   295.2     3.49     4.00
3.25     YES
 L0002002         0   0.26770E-06  469176.8 3768759.9   295.1     3.49     4.00
3.25     YES
 L0002003         0   0.26770E-06  469178.4 3768768.3   295.1     3.49     4.00
3.25     YES
 L0002004         0   0.26770E-06  469180.0 3768776.7   295.3     3.49     4.00
3.25     YES
 L0002005         0   0.26770E-06  469181.6 3768785.2   295.6     3.49     4.00
3.25     YES
 L0002006         0   0.26770E-06  469183.2 3768793.6   295.8     3.49     4.00
3.25     YES
 L0002007         0   0.26770E-06  469184.8 3768802.1   296.0     3.49     4.00
3.25     YES
 L0002008         0   0.26770E-06  469186.4 3768810.5   296.2     3.49     4.00
3.25     YES
 L0002009         0   0.26770E-06  469188.0 3768819.0   296.5     3.49     4.00
3.25     YES
 L0002010         0   0.26770E-06  469189.6 3768827.4   296.7     3.49     4.00
3.25     YES
 L0002011         0   0.26770E-06  469191.2 3768835.8   296.6     3.49     4.00
3.25     YES
 L0002012         0   0.26770E-06  469192.8 3768844.3   296.6     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002013	0	0.26770E-06	469194.3	3768852.7	296.5	3.49	4.00	3.25	YES
L0002014	0	0.26770E-06	469195.9	3768861.2	296.5	3.49	4.00	3.25	YES
L0002015	0	0.26770E-06	469197.4	3768869.6	296.4	3.49	4.00	3.25	YES
L0002016	0	0.26770E-06	469198.8	3768878.1	296.4	3.49	4.00	3.25	YES
L0002017	0	0.26770E-06	469200.2	3768886.6	296.3	3.49	4.00	3.25	YES
L0002018	0	0.26770E-06	469201.6	3768895.1	296.5	3.49	4.00	3.25	YES
L0002019	0	0.26770E-06	469202.9	3768903.5	296.7	3.49	4.00	3.25	YES
L0002020	0	0.26770E-06	469204.3	3768912.0	296.9	3.49	4.00	3.25	YES
L0002021	0	0.26770E-06	469205.7	3768920.5	297.0	3.49	4.00	3.25	YES
L0002022	0	0.26770E-06	469207.1	3768929.0	297.0	3.49	4.00	3.25	YES
L0002023	0	0.26770E-06	469208.5	3768937.4	297.0	3.49	4.00	3.25	YES
L0002024	0	0.26770E-06	469209.9	3768945.9	297.0	3.49	4.00	3.25	YES
L0002025	0	0.26770E-06	469211.3	3768954.4	296.9	3.49	4.00	3.25	YES
L0002026	0	0.26770E-06	469212.7	3768962.9	296.9	3.49	4.00	3.25	YES
L0002027	0	0.26770E-06	469214.1	3768971.3	296.9	3.49	4.00	3.25	YES
L0002028	0	0.26770E-06	469215.5	3768979.8	296.8	3.49	4.00	3.25	YES
L0002029	0	0.26770E-06	469216.9	3768988.3	296.8	3.49	4.00	3.25	YES
L0002030	0	0.26770E-06	469218.4	3768996.8	296.7	3.49	4.00	3.25	YES
L0002031	0	0.26770E-06	469219.9	3769005.2	296.7	3.49	4.00	3.25	YES
L0002032	0	0.26770E-06	469221.5	3769013.6	296.7	3.49	4.00	3.25	YES
L0002033	0	0.26770E-06	469223.1	3769022.1	296.8	3.49	4.00	3.25	YES
L0002034	0	0.26770E-06	469224.7	3769030.5	296.9	3.49	4.00	3.25	YES
L0002035	0	0.26770E-06	469226.3	3769039.0	297.0	3.49	4.00	3.25	YES
L0002036	0	0.26770E-06	469227.9	3769047.4	297.0	3.49	4.00	3.25	YES

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 L0002037         0   0.26770E-06  469229.5 3769055.9   297.0     3.49     4.00
3.25     YES
 L0002038         0   0.26770E-06  469231.1 3769064.3   297.0     3.49     4.00
3.25     YES
 L0002039         0   0.26770E-06  469232.7 3769072.7   297.1     3.49     4.00
3.25     YES
 L0002040         0   0.26770E-06  469234.2 3769081.2   297.1     3.49     4.00
3.25     YES
 L0002041         0   0.26770E-06  469235.8 3769089.6   297.1     3.49     4.00
3.25     YES
 L0002042         0   0.26770E-06  469237.4 3769098.1   297.1     3.49     4.00
3.25     YES
 L0002043         0   0.26770E-06  469239.0 3769106.5   297.4     3.49     4.00
3.25     YES
 L0002044         0   0.26770E-06  469240.6 3769114.9   297.6     3.49     4.00
3.25     YES
 L0002045         0   0.26770E-06  469242.2 3769123.4   297.9     3.49     4.00
3.25     YES
 L0002046         0   0.26770E-06  469243.8 3769131.8   298.0     3.49     4.00
3.25     YES
 L0002047         0   0.26770E-06  469245.4 3769140.3   298.0     3.49     4.00
3.25     YES
 L0002048         0   0.34570E-06  469103.1 3768193.2   279.0     3.49     4.00
3.25     YES
 L0002049         0   0.34570E-06  469106.0 3768185.1   279.0     3.49     4.00
3.25     YES
 L0002050         0   0.34570E-06  469108.8 3768177.0   279.0     3.49     4.00
3.25     YES
 L0002051         0   0.34570E-06  469111.7 3768168.9   279.0     3.49     4.00
3.25     YES
 L0002052         0   0.34570E-06  469114.6 3768160.8   278.8     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002053	0	0.34570E-06	469117.4	3768152.7	278.5	3.49	4.00	3.25	YES
L0002054	0	0.34570E-06	469120.3	3768144.6	278.3	3.49	4.00	3.25	YES
L0002055	0	0.34570E-06	469123.2	3768136.5	278.0	3.49	4.00	3.25	YES
L0002056	0	0.34570E-06	469126.0	3768128.4	277.7	3.49	4.00	3.25	YES
L0002057	0	0.34570E-06	469128.9	3768120.3	277.5	3.49	4.00	3.25	YES
L0002058	0	0.34570E-06	469131.8	3768112.2	277.2	3.49	4.00	3.25	YES
L0002059	0	0.34570E-06	469134.6	3768104.1	277.0	3.49	4.00	3.25	YES
L0002060	0	0.34570E-06	469137.5	3768096.0	277.0	3.49	4.00	3.25	YES
L0002061	0	0.34570E-06	469140.4	3768087.9	277.0	3.49	4.00	3.25	YES
L0002062	0	0.34570E-06	469143.2	3768079.8	277.0	3.49	4.00	3.25	YES
L0002063	0	0.34570E-06	469146.1	3768071.7	277.0	3.49	4.00	3.25	YES
L0002064	0	0.34570E-06	469149.0	3768063.6	277.0	3.49	4.00	3.25	YES
L0002065	0	0.34570E-06	469151.8	3768055.5	277.0	3.49	4.00	3.25	YES
L0002066	0	0.34570E-06	469154.7	3768047.4	277.0	3.49	4.00	3.25	YES
L0002067	0	0.34570E-06	469157.6	3768039.3	276.8	3.49	4.00	3.25	YES
L0002068	0	0.34570E-06	469160.4	3768031.2	276.5	3.49	4.00	3.25	YES
L0002069	0	0.34570E-06	469163.3	3768023.1	276.2	3.49	4.00	3.25	YES
L0002070	0	0.34570E-06	469166.2	3768015.0	276.0	3.49	4.00	3.25	YES
L0002071	0	0.34570E-06	469169.0	3768006.9	276.0	3.49	4.00	3.25	YES
L0002072	0	0.34570E-06	469171.9	3767998.8	276.0	3.49	4.00	3.25	YES
L0002073	0	0.34570E-06	469175.0	3767990.8	276.0	3.49	4.00	3.25	YES
L0002074	0	0.34570E-06	469178.3	3767982.9	276.0	3.49	4.00	3.25	YES
L0002075	0	0.34570E-06	469181.6	3767974.9	276.0	3.49	4.00	3.25	YES
L0002076	0	0.34570E-06	469184.8	3767967.0	276.1	3.49	4.00	3.25	YES

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 L0002077         0   0.34570E-06  469188.1 3767959.0   276.0     3.49     4.00
3.25     YES
 L0002078         0   0.34570E-06  469191.4 3767951.1   276.0     3.49     4.00
3.25     YES
 L0002079         0   0.34570E-06  469194.6 3767943.1   276.0     3.49     4.00
3.25     YES
 L0002080         0   0.34570E-06  469197.9 3767935.2   276.0     3.49     4.00
3.25     YES
 L0002081         0   0.34570E-06  469201.2 3767927.3   276.0     3.49     4.00
3.25     YES
 L0002082         0   0.34570E-06  469204.4 3767919.3   276.0     3.49     4.00
3.25     YES
 L0002083         0   0.34570E-06  469207.7 3767911.4   276.0     3.49     4.00
3.25     YES
 L0002084         0   0.34570E-06  469211.0 3767903.4   276.0     3.49     4.00
3.25     YES
 L0002085         0   0.34570E-06  469214.3 3767895.5   276.0     3.49     4.00
3.25     YES
 L0002086         0   0.34570E-06  469217.5 3767887.5   276.0     3.49     4.00
3.25     YES
 L0002087         0   0.34570E-06  469220.8 3767879.6   276.0     3.49     4.00
3.25     YES
 L0002088         0   0.34570E-06  469224.1 3767871.7   276.0     3.49     4.00
3.25     YES
 L0002089         0   0.34570E-06  469227.3 3767863.7   276.0     3.49     4.00
3.25     YES
 L0002090         0   0.34570E-06  469230.6 3767855.8   276.0     3.49     4.00
3.25     YES
 L0002091         0   0.34570E-06  469233.9 3767847.8   276.0     3.49     4.00
3.25     YES
 L0002092         0   0.34570E-06  469238.5 3767840.8   276.0     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002093	0	0.34570E-06	469244.4	3767834.6	275.9	3.49	4.00	3.25	YES
L0002094	0	0.34570E-06	469250.4	3767828.4	275.7	3.49	4.00	3.25	YES
L0002095	0	0.34570E-06	469256.4	3767822.2	275.5	3.49	4.00	3.25	YES
L0002096	0	0.34570E-06	469262.3	3767816.0	275.3	3.49	4.00	3.25	YES
L0002097	0	0.34570E-06	469268.3	3767809.8	275.1	3.49	4.00	3.25	YES
L0002098	0	0.34570E-06	469274.2	3767803.6	275.0	3.49	4.00	3.25	YES
L0002099	0	0.34570E-06	469280.2	3767797.5	275.0	3.49	4.00	3.25	YES
L0002100	0	0.34570E-06	469286.8	3767792.1	275.0	3.49	4.00	3.25	YES
L0002101	0	0.34570E-06	469294.3	3767788.0	275.0	3.49	4.00	3.25	YES
L0002102	0	0.34570E-06	469301.8	3767783.8	275.0	3.49	4.00	3.25	YES
L0002103	0	0.34570E-06	469309.4	3767779.7	275.0	3.49	4.00	3.25	YES
L0002104	0	0.34570E-06	469316.9	3767775.5	275.0	3.49	4.00	3.25	YES
L0002105	0	0.34570E-06	469324.4	3767771.4	275.0	3.49	4.00	3.25	YES
L0002106	0	0.34570E-06	469331.9	3767767.2	275.0	3.49	4.00	3.25	YES
L0002107	0	0.34570E-06	469340.0	3767765.0	275.0	3.49	4.00	3.25	YES
L0002108	0	0.34570E-06	469348.6	3767764.6	275.0	3.49	4.00	3.25	YES
L0002109	0	0.34570E-06	469357.2	3767764.2	275.0	3.49	4.00	3.25	YES
L0002110	0	0.34570E-06	469365.7	3767763.8	275.0	3.49	4.00	3.25	YES
L0002111	0	0.34570E-06	469374.3	3767763.4	275.0	3.49	4.00	3.25	YES
L0002112	0	0.34570E-06	469382.9	3767763.0	275.0	3.49	4.00	3.25	YES
L0002113	0	0.34570E-06	469391.5	3767762.6	275.1	3.49	4.00	3.25	YES
L0002114	0	0.34570E-06	469400.1	3767762.2	275.4	3.49	4.00	3.25	YES
L0002115	0	0.34570E-06	469408.7	3767761.8	275.6	3.49	4.00	3.25	YES
L0002116	0	0.34570E-06	469417.2	3767761.8	275.9	3.49	4.00	3.25	YES

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 L0002117         0   0.34570E-06  469425.8 3767762.1   276.0     3.49     4.00
3.25     YES
 L0002118         0   0.34570E-06  469434.4 3767762.4   276.0     3.49     4.00
3.25     YES
 L0002119         0   0.34570E-06  469443.0 3767762.7   276.0     3.49     4.00
3.25     YES
 L0002120         0   0.34570E-06  469451.6 3767762.9   276.0     3.49     4.00
3.25     YES
 L0002121         0   0.34570E-06  469460.2 3767763.2   276.0     3.49     4.00
3.25     YES
 L0002122         0   0.15260E-06  469478.7 3767765.9   276.0     3.49     4.00
3.25     YES
 L0002123         0   0.15260E-06  469479.5 3767774.5   276.0     3.49     4.00
3.25     YES
 L0002124         0   0.15260E-06  469480.2 3767783.0   276.0     3.49     4.00
3.25     YES
 L0002125         0   0.15260E-06  469481.0 3767791.6   276.1     3.49     4.00
3.25     YES
 L0002126         0   0.15260E-06  469481.8 3767800.2   276.1     3.49     4.00
3.25     YES
 L0002127         0   0.15260E-06  469482.6 3767808.7   276.1     3.49     4.00
3.25     YES
 L0002128         0   0.15260E-06  469483.3 3767817.3   276.1     3.49     4.00
3.25     YES
 L0002129         0   0.15260E-06  469484.1 3767825.8   276.2     3.49     4.00
3.25     YES
 L0002130         0   0.15260E-06  469484.9 3767834.4   276.2     3.49     4.00
3.25     YES
 L0002131         0   0.15260E-06  469485.7 3767842.9   276.2     3.49     4.00
3.25     YES
 L0002132         0   0.15260E-06  469486.4 3767851.5   276.2     3.49     4.00
3.25     YES
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                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002133	0	0.15260E-06	469487.2	3767860.0	276.2	3.49	4.00	3.25	YES
L0002134	0	0.15260E-06	469488.0	3767868.6	276.3	3.49	4.00	3.25	YES
L0002135	0	0.15260E-06	469488.8	3767877.2	276.3	3.49	4.00	3.25	YES
L0002136	0	0.15260E-06	469489.5	3767885.7	276.3	3.49	4.00	3.25	YES
L0002137	0	0.15260E-06	469490.3	3767894.3	276.4	3.49	4.00	3.25	YES
L0002138	0	0.15260E-06	469491.1	3767902.8	276.4	3.49	4.00	3.25	YES
L0002139	0	0.15260E-06	469491.9	3767911.4	276.4	3.49	4.00	3.25	YES
L0002140	0	0.15260E-06	469492.6	3767919.9	276.4	3.49	4.00	3.25	YES
L0002141	0	0.15260E-06	469493.4	3767928.5	276.5	3.49	4.00	3.25	YES
L0002142	0	0.15260E-06	469494.2	3767937.0	276.7	3.49	4.00	3.25	YES
L0002143	0	0.15260E-06	469494.9	3767945.6	276.8	3.49	4.00	3.25	YES
L0002144	0	0.15260E-06	469495.7	3767954.2	277.0	3.49	4.00	3.25	YES
L0002145	0	0.15260E-06	469496.5	3767962.7	277.2	3.49	4.00	3.25	YES
L0002146	0	0.15260E-06	469497.3	3767971.3	277.5	3.49	4.00	3.25	YES
L0002147	0	0.15260E-06	469498.0	3767979.8	277.8	3.49	4.00	3.25	YES
L0002148	0	0.15260E-06	469498.8	3767988.4	278.0	3.49	4.00	3.25	YES
L0002149	0	0.15260E-06	469499.6	3767996.9	278.1	3.49	4.00	3.25	YES
L0002150	0	0.15260E-06	469500.4	3768005.5	278.2	3.49	4.00	3.25	YES
L0002151	0	0.15260E-06	469501.1	3768014.0	278.3	3.49	4.00	3.25	YES
L0002152	0	0.15260E-06	469501.9	3768022.6	278.4	3.49	4.00	3.25	YES
L0002153	0	0.15260E-06	469502.7	3768031.1	278.6	3.49	4.00	3.25	YES
L0002154	0	0.15260E-06	469503.5	3768039.7	278.8	3.49	4.00	3.25	YES
L0002155	0	0.15260E-06	469504.2	3768048.3	279.0	3.49	4.00	3.25	YES
L0002156	0	0.15260E-06	469505.0	3768056.8	279.0	3.49	4.00	3.25	YES

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 L0002157         0   0.15260E-06  469505.8 3768065.4   279.0     3.49     4.00
3.25     YES
 L0002158         0   0.15260E-06  469506.6 3768073.9   279.0     3.49     4.00
3.25     YES
 L0002159         0   0.15260E-06  469507.3 3768082.5   279.2     3.49     4.00
3.25     YES
 L0002160         0   0.15260E-06  469508.1 3768091.0   279.5     3.49     4.00
3.25     YES
 L0002161         0   0.15260E-06  469509.1 3768099.6   279.8     3.49     4.00
3.25     YES
 L0002162         0   0.15260E-06  469510.7 3768108.0   280.1     3.49     4.00
3.25     YES
 L0002163         0   0.15260E-06  469512.3 3768116.4   280.3     3.49     4.00
3.25     YES
 L0002164         0   0.15260E-06  469513.9 3768124.9   280.5     3.49     4.00
3.25     YES
 L0002165         0   0.15260E-06  469515.5 3768133.3   280.7     3.49     4.00
3.25     YES
 L0002166         0   0.15260E-06  469517.1 3768141.7   280.8     3.49     4.00
3.25     YES
 L0002167         0   0.15260E-06  469518.7 3768150.2   280.8     3.49     4.00
3.25     YES
 L0002168         0   0.15260E-06  469520.4 3768158.6   280.9     3.49     4.00
3.25     YES
 L0002169         0   0.15260E-06  469522.0 3768167.1   281.0     3.49     4.00
3.25     YES
 L0002170         0   0.15260E-06  469523.6 3768175.5   281.0     3.49     4.00
3.25     YES
 L0002171         0   0.15260E-06  469525.2 3768183.9   281.0     3.49     4.00
3.25     YES
 L0002172         0   0.15260E-06  469526.8 3768192.4   281.0     3.49     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002173	0	0.15260E-06	469528.4	3768200.8	281.2	3.49	4.00	3.25	YES
L0002174	0	0.15260E-06	469530.0	3768209.3	281.4	3.49	4.00	3.25	YES
L0002175	0	0.15260E-06	469531.6	3768217.7	281.7	3.49	4.00	3.25	YES
L0002176	0	0.15260E-06	469533.2	3768226.1	282.0	3.49	4.00	3.25	YES
L0002177	0	0.15260E-06	469534.8	3768234.6	282.0	3.49	4.00	3.25	YES
L0002178	0	0.15260E-06	469536.4	3768243.0	282.0	3.49	4.00	3.25	YES
L0002179	0	0.15260E-06	469538.3	3768251.4	282.0	3.49	4.00	3.25	YES
L0002180	0	0.15260E-06	469540.5	3768259.7	282.1	3.49	4.00	3.25	YES
L0002181	0	0.15260E-06	469542.7	3768268.0	282.3	3.49	4.00	3.25	YES
L0002182	0	0.15260E-06	469544.9	3768276.3	282.6	3.49	4.00	3.25	YES
L0002183	0	0.15260E-06	469547.1	3768284.6	282.7	3.49	4.00	3.25	YES
L0002184	0	0.15260E-06	469549.3	3768292.9	282.8	3.49	4.00	3.25	YES
L0002185	0	0.15260E-06	469551.5	3768301.2	282.8	3.49	4.00	3.25	YES
L0002186	0	0.15260E-06	469553.7	3768309.5	282.9	3.49	4.00	3.25	YES
L0002187	0	0.15260E-06	469555.9	3768317.8	283.0	3.49	4.00	3.25	YES
L0002188	0	0.15260E-06	469558.1	3768326.1	283.2	3.49	4.00	3.25	YES
L0002189	0	0.15260E-06	469560.3	3768334.4	283.4	3.49	4.00	3.25	YES
L0002190	0	0.15260E-06	469562.8	3768342.6	283.7	3.49	4.00	3.25	YES
L0002191	0	0.15260E-06	469567.6	3768349.7	283.9	3.49	4.00	3.25	YES
L0002192	0	0.15260E-06	469572.4	3768356.8	283.9	3.49	4.00	3.25	YES
L0002193	0	0.15260E-06	469577.3	3768363.9	283.9	3.49	4.00	3.25	YES
L0002194	0	0.15260E-06	469582.1	3768371.0	283.9	3.49	4.00	3.25	YES
L0002195	0	0.15260E-06	469586.9	3768378.1	284.1	3.49	4.00	3.25	YES
L0002196	0	0.15260E-06	469591.8	3768385.2	284.3	3.49	4.00	3.25	YES

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 L0002197         0   0.15260E-06  469596.6 3768392.3   284.5     3.49     4.00
3.25     YES
 L0002198         0   0.15260E-06  469601.5 3768399.4   284.8     3.49     4.00
3.25     YES
 L0002199         0   0.15260E-06  469606.3 3768406.5   285.0     3.49     4.00
3.25     YES
 L0002200         0   0.15260E-06  469611.1 3768413.6   285.2     3.49     4.00
3.25     YES
 L0002201         0   0.15260E-06  469616.0 3768420.7   285.5     3.49     4.00
3.25     YES
 L0002202         0   0.15260E-06  469620.8 3768427.8   285.7     3.49     4.00
3.25     YES
 L0002203         0   0.15260E-06  469625.6 3768434.9   285.9     3.49     4.00
3.25     YES
 L0002204         0   0.15260E-06  469630.5 3768442.0   286.0     3.49     4.00
3.25     YES
 L0002205         0   0.15260E-06  469635.3 3768449.1   286.0     3.49     4.00
3.25     YES
 L0002206         0   0.15260E-06  469640.1 3768456.2   286.0     3.49     4.00
3.25     YES
 L0002207         0   0.15260E-06  469645.0 3768463.3   286.0     3.49     4.00
3.25     YES
 L0002208         0   0.15260E-06  469649.8 3768470.4   286.0     3.49     4.00
3.25     YES
 L0002209         0   0.15260E-06  469654.7 3768477.5   286.1     3.49     4.00
3.25     YES
 L0002210         0   0.15260E-06  469659.5 3768484.6   286.0     3.49     4.00
3.25     YES
 L0002211         0   0.15260E-06  469664.3 3768491.7   286.0     3.49     4.00
3.25     YES
 L0002212         0   0.15260E-06  469669.2 3768498.8   286.1     3.49     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002213	0	0.15260E-06	469674.2	3768505.8	286.2	3.49	4.00	3.25	YES
L0002214	0	0.15260E-06	469679.6	3768512.4	286.2	3.49	4.00	3.25	YES
L0002215	0	0.15260E-06	469685.1	3768519.0	286.1	3.49	4.00	3.25	YES
L0002216	0	0.15260E-06	469690.6	3768525.6	286.0	3.49	4.00	3.25	YES
L0002217	0	0.15260E-06	469696.1	3768532.2	286.0	3.49	4.00	3.25	YES
L0002218	0	0.15260E-06	469701.6	3768538.8	286.0	3.49	4.00	3.25	YES
L0002219	0	0.15260E-06	469707.1	3768545.4	286.0	3.49	4.00	3.25	YES
L0002220	0	0.15260E-06	469712.5	3768552.0	286.0	3.49	4.00	3.25	YES
L0002221	0	0.15260E-06	469718.0	3768558.7	286.0	3.49	4.00	3.25	YES
L0002222	0	0.15260E-06	469723.5	3768565.3	286.0	3.49	4.00	3.25	YES
L0002223	0	0.15260E-06	469729.0	3768571.9	286.0	3.49	4.00	3.25	YES
L0002224	0	0.15260E-06	469734.4	3768578.5	286.0	3.49	4.00	3.25	YES
L0002225	0	0.15260E-06	469739.6	3768585.4	286.0	3.49	4.00	3.25	YES
L0002226	0	0.15260E-06	469744.8	3768592.2	286.0	3.49	4.00	3.25	YES
L0002227	0	0.15260E-06	469750.0	3768599.1	286.0	3.49	4.00	3.25	YES
L0002228	0	0.15260E-06	469755.2	3768605.9	286.0	3.49	4.00	3.25	YES
L0002229	0	0.15260E-06	469760.3	3768612.8	286.0	3.49	4.00	3.25	YES
L0002230	0	0.15260E-06	469765.5	3768619.6	286.1	3.49	4.00	3.25	YES
L0002231	0	0.15260E-06	469770.7	3768626.5	286.3	3.49	4.00	3.25	YES
L0002232	0	0.15260E-06	469775.9	3768633.3	286.6	3.49	4.00	3.25	YES
L0002233	0	0.15260E-06	469781.1	3768640.2	286.8	3.49	4.00	3.25	YES
L0002234	0	0.15260E-06	469786.3	3768647.0	287.0	3.49	4.00	3.25	YES
L0002235	0	0.15260E-06	469791.4	3768653.9	287.0	3.49	4.00	3.25	YES
L0002236	0	0.15260E-06	469796.6	3768660.7	287.0	3.49	4.00	3.25	YES

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 L0002237         0   0.15260E-06  469801.8 3768667.6   287.0     3.49     4.00
3.25     YES
 L0002238         0   0.15260E-06  469807.0 3768674.4   287.0     3.49     4.00
3.25     YES
 L0002239         0   0.15260E-06  469812.2 3768681.3   287.2     3.49     4.00
3.25     YES
 L0002240         0   0.15260E-06  469817.4 3768688.1   287.4     3.49     4.00
3.25     YES
 L0002241         0   0.15260E-06  469822.5 3768695.0   287.6     3.49     4.00
3.25     YES
 L0002242         0   0.15260E-06  469827.7 3768701.8   287.9     3.49     4.00
3.25     YES
 L0002243         0   0.15260E-06  469832.9 3768708.7   288.0     3.49     4.00
3.25     YES
 L0002244         0   0.15260E-06  469836.9 3768716.3   288.0     3.49     4.00
3.25     YES
 L0002245         0   0.15260E-06  469840.8 3768723.9   288.0     3.49     4.00
3.25     YES
 L0002246         0   0.15260E-06  469844.6 3768731.6   288.0     3.49     4.00
3.25     YES
 L0002247         0   0.15260E-06  469848.4 3768739.3   288.1     3.49     4.00
3.25     YES
 L0002248         0   0.15260E-06  469852.3 3768747.0   288.4     3.49     4.00
3.25     YES
 L0002249         0   0.15260E-06  469856.1 3768754.7   288.6     3.49     4.00
3.25     YES
 L0002250         0   0.15260E-06  469860.0 3768762.4   288.9     3.49     4.00
3.25     YES
 L0002251         0   0.15260E-06  469863.8 3768770.0   289.0     3.49     4.00
3.25     YES
 L0002252         0   0.15260E-06  469867.6 3768777.7   289.0     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002253	0	0.15260E-06	469871.5	3768785.4	289.0	3.49	4.00	3.25	YES
L0002254	0	0.15260E-06	469875.3	3768793.1	289.0	3.49	4.00	3.25	YES
L0002255	0	0.15260E-06	469879.2	3768800.8	289.1	3.49	4.00	3.25	YES
L0002256	0	0.15260E-06	469883.0	3768808.5	289.4	3.49	4.00	3.25	YES
L0002257	0	0.15260E-06	469886.9	3768816.1	289.7	3.49	4.00	3.25	YES
L0002258	0	0.15260E-06	469890.7	3768823.8	289.9	3.49	4.00	3.25	YES
L0002259	0	0.15260E-06	469894.5	3768831.5	290.0	3.49	4.00	3.25	YES
L0002260	0	0.15260E-06	469898.4	3768839.2	290.0	3.49	4.00	3.25	YES
L0002261	0	0.15260E-06	469902.2	3768846.9	290.0	3.49	4.00	3.25	YES
L0002262	0	0.15260E-06	469906.1	3768854.6	290.0	3.49	4.00	3.25	YES
L0002263	0	0.15260E-06	469909.9	3768862.2	290.0	3.49	4.00	3.25	YES
L0002264	0	0.15260E-06	469913.7	3768869.9	290.0	3.49	4.00	3.25	YES
L0002265	0	0.15260E-06	469917.6	3768877.6	290.0	3.49	4.00	3.25	YES
L0002266	0	0.15260E-06	469921.4	3768885.3	290.0	3.49	4.00	3.25	YES
L0002267	0	0.15260E-06	469925.3	3768893.0	290.2	3.49	4.00	3.25	YES
L0002268	0	0.15260E-06	469929.1	3768900.7	290.5	3.49	4.00	3.25	YES
L0002269	0	0.15260E-06	469933.0	3768908.3	290.7	3.49	4.00	3.25	YES
L0002270	0	0.15260E-06	469935.3	3768916.6	291.0	3.49	4.00	3.25	YES
L0002271	0	0.15260E-06	469937.4	3768924.9	291.0	3.49	4.00	3.25	YES
L0002272	0	0.15260E-06	469939.5	3768933.2	291.0	3.49	4.00	3.25	YES
L0002273	0	0.15260E-06	469941.6	3768941.6	291.0	3.49	4.00	3.25	YES
L0002274	0	0.15260E-06	469943.7	3768949.9	291.1	3.49	4.00	3.25	YES
L0002275	0	0.15260E-06	469945.8	3768958.2	291.2	3.49	4.00	3.25	YES
L0002276	0	0.15260E-06	469947.9	3768966.5	291.4	3.49	4.00	3.25	YES

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 L0002277         0   0.15260E-06  469950.0 3768974.9   291.6     3.49     4.00
3.25     YES
 L0002278         0   0.15260E-06  469952.1 3768983.2   291.8     3.49     4.00
3.25     YES
 L0002279         0   0.15260E-06  469954.2 3768991.5   291.9     3.49     4.00
3.25     YES
 L0002280         0   0.15260E-06  469956.3 3768999.9   292.0     3.49     4.00
3.25     YES
 L0002281         0   0.15260E-06  469958.4 3769008.2   292.0     3.49     4.00
3.25     YES
 L0002282         0   0.15260E-06  469960.5 3769016.5   292.0     3.49     4.00
3.25     YES
 L0002283         0   0.15260E-06  469962.6 3769024.9   292.0     3.49     4.00
3.25     YES
 L0002284         0   0.15260E-06  469964.7 3769033.2   292.0     3.49     4.00
3.25     YES
 L0002285         0   0.15260E-06  469966.8 3769041.5   292.2     3.49     4.00
3.25     YES
 L0002286         0   0.15260E-06  469968.9 3769049.8   292.4     3.49     4.00
3.25     YES
 L0002287         0   0.15260E-06  469971.0 3769058.2   292.7     3.49     4.00
3.25     YES
 L0002288         0   0.15260E-06  469973.1 3769066.5   293.0     3.49     4.00
3.25     YES
 L0002289         0   0.15260E-06  469975.2 3769074.8   293.0     3.49     4.00
3.25     YES
 L0002290         0   0.15260E-06  469977.3 3769083.2   293.0     3.49     4.00
3.25     YES
 L0002291         0   0.15260E-06  469979.4 3769091.5   293.0     3.49     4.00
3.25     YES
 L0002292         0   0.19130E-06  469475.1 3767753.3   276.0     3.49     4.00
3.25     YES
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                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002293	0	0.19130E-06	469474.4	3767744.8	276.0	3.49	4.00	3.25	YES
L0002294	0	0.19130E-06	469473.8	3767736.2	276.0	3.49	4.00	3.25	YES
L0002295	0	0.19130E-06	469473.1	3767727.6	276.0	3.49	4.00	3.25	YES
L0002296	0	0.19130E-06	469472.4	3767719.1	276.0	3.49	4.00	3.25	YES
L0002297	0	0.19130E-06	469471.8	3767710.5	276.2	3.49	4.00	3.25	YES
L0002298	0	0.19130E-06	469471.1	3767701.9	276.4	3.49	4.00	3.25	YES
L0002299	0	0.19130E-06	469470.4	3767693.4	276.5	3.49	4.00	3.25	YES
L0002300	0	0.19130E-06	469469.8	3767684.8	276.7	3.49	4.00	3.25	YES
L0002301	0	0.19130E-06	469469.1	3767676.2	276.7	3.49	4.00	3.25	YES
L0002302	0	0.19130E-06	469468.4	3767667.7	276.6	3.49	4.00	3.25	YES
L0002303	0	0.19130E-06	469467.8	3767659.1	276.6	3.49	4.00	3.25	YES
L0002304	0	0.19130E-06	469467.1	3767650.6	276.6	3.49	4.00	3.25	YES
L0002305	0	0.19130E-06	469466.4	3767642.0	276.6	3.49	4.00	3.25	YES
L0002306	0	0.19130E-06	469465.8	3767633.4	276.5	3.49	4.00	3.25	YES
L0002307	0	0.19130E-06	469465.1	3767624.9	276.5	3.49	4.00	3.25	YES
L0002308	0	0.19130E-06	469464.4	3767616.3	276.5	3.49	4.00	3.25	YES
L0002309	0	0.19130E-06	469463.8	3767607.7	276.5	3.49	4.00	3.25	YES
L0002310	0	0.19130E-06	469463.1	3767599.2	276.4	3.49	4.00	3.25	YES
L0002311	0	0.19130E-06	469462.4	3767590.6	276.4	3.49	4.00	3.25	YES
L0002312	0	0.19130E-06	469461.8	3767582.0	276.4	3.49	4.00	3.25	YES
L0002313	0	0.19130E-06	469461.1	3767573.5	276.4	3.49	4.00	3.25	YES
L0002314	0	0.19130E-06	469460.4	3767564.9	276.3	3.49	4.00	3.25	YES
L0002315	0	0.19130E-06	469459.7	3767556.3	276.2	3.49	4.00	3.25	YES
L0002316	0	0.19130E-06	469459.1	3767547.8	276.1	3.49	4.00	3.25	YES

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 L0002317         0   0.19130E-06  469458.4 3767539.2   276.0     3.49     4.00
3.25     YES
 L0002318         0   0.19130E-06  469457.8 3767530.7   276.0     3.49     4.00
3.25     YES
 L0002319         0   0.19130E-06  469457.1 3767522.1   276.0     3.49     4.00
3.25     YES
 L0002320         0   0.19130E-06  469456.5 3767513.5   276.0     3.49     4.00
3.25     YES
 L0002321         0   0.19130E-06  469455.8 3767505.0   276.0     3.49     4.00
3.25     YES
 L0002322         0   0.19130E-06  469455.2 3767496.4   276.0     3.49     4.00
3.25     YES
 L0002323         0   0.19130E-06  469454.6 3767487.8   276.0     3.49     4.00
3.25     YES
 L0002324         0   0.19130E-06  469453.9 3767479.3   276.0     3.49     4.00
3.25     YES
 L0002325         0   0.19130E-06  469453.3 3767470.7   276.0     3.49     4.00
3.25     YES
 L0002326         0   0.19130E-06  469452.6 3767462.1   276.0     3.49     4.00
3.25     YES
 L0002327         0   0.19130E-06  469452.0 3767453.6   276.0     3.49     4.00
3.25     YES
 L0002328         0   0.19130E-06  469451.3 3767445.0   276.0     3.49     4.00
3.25     YES
 L0002329         0   0.19130E-06  469450.7 3767436.4   276.0     3.49     4.00
3.25     YES
 L0002330         0   0.19130E-06  469450.1 3767427.9   276.0     3.49     4.00
3.25     YES
 L0002331         0   0.19130E-06  469449.4 3767419.3   276.0     3.49     4.00
3.25     YES
 L0002332         0   0.19130E-06  469448.3 3767410.8   275.9     3.49     4.00
3.25     YES
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                 *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002333	0	0.19130E-06	469447.0	3767402.3	275.9	3.49	4.00	3.25	YES
L0002334	0	0.19130E-06	469445.7	3767393.8	275.9	3.49	4.00	3.25	YES
L0002335	0	0.19130E-06	469444.4	3767385.3	275.8	3.49	4.00	3.25	YES
L0002336	0	0.19130E-06	469443.1	3767376.8	275.8	3.49	4.00	3.25	YES
L0002337	0	0.19130E-06	469441.8	3767368.3	275.7	3.49	4.00	3.25	YES
L0002338	0	0.19130E-06	469440.5	3767359.8	275.7	3.49	4.00	3.25	YES
L0002339	0	0.19130E-06	469439.2	3767351.4	275.7	3.49	4.00	3.25	YES
L0002340	0	0.19130E-06	469437.9	3767342.9	275.6	3.49	4.00	3.25	YES
L0002341	0	0.19130E-06	469436.6	3767334.4	275.6	3.49	4.00	3.25	YES
L0002342	0	0.19130E-06	469435.2	3767325.9	275.5	3.49	4.00	3.25	YES
L0002343	0	0.19130E-06	469434.0	3767317.4	275.3	3.49	4.00	3.25	YES
L0002344	0	0.19130E-06	469432.6	3767308.9	275.2	3.49	4.00	3.25	YES
L0002345	0	0.19130E-06	469431.3	3767300.4	275.1	3.49	4.00	3.25	YES
L0002346	0	0.19130E-06	469430.0	3767291.9	275.0	3.49	4.00	3.25	YES
L0002347	0	0.19130E-06	469428.7	3767283.4	275.0	3.49	4.00	3.25	YES
L0002348	0	0.19130E-06	469427.4	3767274.9	275.0	3.49	4.00	3.25	YES
L0002349	0	0.19130E-06	469426.1	3767266.4	275.0	3.49	4.00	3.25	YES
L0002350	0	0.19130E-06	469424.8	3767258.0	274.8	3.49	4.00	3.25	YES
L0002351	0	0.19130E-06	469423.5	3767249.5	274.5	3.49	4.00	3.25	YES
L0002352	0	0.19130E-06	469422.4	3767241.0	274.2	3.49	4.00	3.25	YES
L0002353	0	0.19130E-06	469421.3	3767232.4	274.1	3.49	4.00	3.25	YES
L0002354	0	0.19130E-06	469420.2	3767223.9	274.0	3.49	4.00	3.25	YES
L0002355	0	0.19130E-06	469419.1	3767215.4	274.0	3.49	4.00	3.25	YES
L0002356	0	0.19130E-06	469418.1	3767206.9	274.0	3.49	4.00	3.25	YES

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 L0002357         0   0.19130E-06  469417.0 3767198.3   274.2     3.49     4.00
3.25     YES
 L0002358         0   0.19130E-06  469415.9 3767189.8   274.5     3.49     4.00
3.25     YES
 L0002359         0   0.19130E-06  469414.8 3767181.3   274.7     3.49     4.00
3.25     YES
 L0002360         0   0.19130E-06  469413.7 3767172.8   274.8     3.49     4.00
3.25     YES
 L0002361         0   0.19130E-06  469412.6 3767164.3   274.8     3.49     4.00
3.25     YES
 L0002362         0   0.19130E-06  469411.6 3767155.7   274.7     3.49     4.00
3.25     YES
 L0002363         0   0.19130E-06  469410.5 3767147.2   274.7     3.49     4.00
3.25     YES
 L0002364         0   0.19130E-06  469409.4 3767138.7   274.7     3.49     4.00
3.25     YES
 L0002365         0   0.19130E-06  469408.3 3767130.2   274.6     3.49     4.00
3.25     YES
 L0002366         0   0.19130E-06  469407.2 3767121.7   274.6     3.49     4.00
3.25     YES
 L0002367         0   0.19130E-06  469406.1 3767113.1   274.6     3.49     4.00
3.25     YES
 L0002368         0   0.19130E-06  469405.1 3767104.6   274.7     3.49     4.00
3.25     YES
 L0002369         0   0.19130E-06  469404.0 3767096.1   274.8     3.49     4.00
3.25     YES
 L0002370         0   0.19130E-06  469402.9 3767087.6   275.0     3.49     4.00
3.25     YES
 L0002371         0   0.19130E-06  469401.8 3767079.0   275.0     3.49     4.00
3.25     YES
 L0002372         0   0.19130E-06  469400.7 3767070.5   275.0     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002373	0	0.19130E-06	469399.6	3767062.0	275.0	3.49	4.00	3.25	YES
L0002374	0	0.19130E-06	469398.6	3767053.5	275.0	3.49	4.00	3.25	YES
L0002375	0	0.19130E-06	469397.5	3767045.0	275.0	3.49	4.00	3.25	YES
L0002376	0	0.19130E-06	469396.4	3767036.4	275.0	3.49	4.00	3.25	YES
L0002377	0	0.19130E-06	469395.3	3767027.9	275.0	3.49	4.00	3.25	YES
L0002378	0	0.19130E-06	469394.2	3767019.4	275.0	3.49	4.00	3.25	YES
L0002379	0	0.19130E-06	469393.1	3767010.9	275.0	3.49	4.00	3.25	YES
L0002380	0	0.19130E-06	469392.1	3767002.4	275.0	3.49	4.00	3.25	YES
L0002381	0	0.19130E-06	469391.0	3766993.8	275.0	3.49	4.00	3.25	YES
L0002382	0	0.19130E-06	469389.9	3766985.3	275.0	3.49	4.00	3.25	YES
L0002383	0	0.19130E-06	469388.7	3766976.8	275.0	3.49	4.00	3.25	YES
L0002384	0	0.19130E-06	469387.4	3766968.3	275.0	3.49	4.00	3.25	YES
L0002385	0	0.19130E-06	469386.1	3766959.8	275.2	3.49	4.00	3.25	YES
L0002386	0	0.19130E-06	469384.8	3766951.3	275.5	3.49	4.00	3.25	YES
L0002387	0	0.19130E-06	469383.5	3766942.8	275.8	3.49	4.00	3.25	YES
L0002388	0	0.19130E-06	469382.2	3766934.3	276.0	3.49	4.00	3.25	YES
L0002389	0	0.19130E-06	469380.9	3766925.9	275.9	3.49	4.00	3.25	YES
L0002390	0	0.19130E-06	469379.6	3766917.4	275.8	3.49	4.00	3.25	YES
L0002391	0	0.19130E-06	469378.3	3766908.9	275.7	3.49	4.00	3.25	YES
L0002392	0	0.19130E-06	469377.0	3766900.4	275.7	3.49	4.00	3.25	YES
L0002393	0	0.19130E-06	469375.7	3766891.9	275.8	3.49	4.00	3.25	YES
L0002394	0	0.19130E-06	469374.4	3766883.4	275.9	3.49	4.00	3.25	YES
L0002395	0	0.19130E-06	469373.1	3766874.9	276.0	3.49	4.00	3.25	YES
L0002396	0	0.19130E-06	469371.8	3766866.4	276.0	3.49	4.00	3.25	YES

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 L0002397         0   0.19130E-06  469370.5 3766857.9   276.0     3.49     4.00
3.25     YES
 L0002398         0   0.19130E-06  469369.2 3766849.4   276.0     3.49     4.00
3.25     YES
 L0002399         0   0.19130E-06  469367.9 3766840.9   276.0     3.49     4.00
3.25     YES
 L0002400         0   0.19130E-06  469366.6 3766832.5   276.0     3.49     4.00
3.25     YES
 L0002401         0   0.19130E-06  469365.3 3766824.0   276.0     3.49     4.00
3.25     YES
 L0002402         0   0.19130E-06  469364.0 3766815.5   276.0     3.49     4.00
3.25     YES
 L0002403         0   0.19130E-06  469362.7 3766807.0   276.0     3.49     4.00
3.25     YES
 L0002404         0   0.19130E-06  469361.4 3766798.5   276.0     3.49     4.00
3.25     YES
 L0002405         0   0.19130E-06  469360.1 3766790.0   276.0     3.49     4.00
3.25     YES
 L0002406         0   0.19130E-06  469358.8 3766781.5   276.0     3.49     4.00
3.25     YES
 L0002407         0   0.19130E-06  469357.5 3766773.0   276.0     3.49     4.00
3.25     YES
 L0002408         0   0.19130E-06  469356.2 3766764.5   276.1     3.49     4.00
3.25     YES
 L0002409         0   0.19130E-06  469354.9 3766756.0   276.2     3.49     4.00
3.25     YES
 L0002410         0   0.19130E-06  469353.6 3766747.6   276.7     3.49     4.00
3.25     YES
 L0002411         0   0.19130E-06  469352.3 3766739.1   277.3     3.49     4.00
3.25     YES
 L0002412         0   0.19130E-06  469351.0 3766730.6   277.8     3.49     4.00
3.25     YES
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                                                   *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002413	0	0.19130E-06	469349.7	3766722.1	278.2	3.49	4.00	3.25	YES
L0002414	0	0.19130E-06	469348.3	3766713.6	278.6	3.49	4.00	3.25	YES
L0002415	0	0.19130E-06	469347.0	3766705.1	279.0	3.49	4.00	3.25	YES
L0002416	0	0.19130E-06	469345.7	3766696.6	279.5	3.49	4.00	3.25	YES
L0002417	0	0.19130E-06	469344.4	3766688.1	279.4	3.49	4.00	3.25	YES
L0002418	0	0.19130E-06	469343.1	3766679.6	279.2	3.49	4.00	3.25	YES
L0002419	0	0.19130E-06	469341.8	3766671.1	279.1	3.49	4.00	3.25	YES
L0002420	0	0.19130E-06	469340.5	3766662.6	279.0	3.49	4.00	3.25	YES
L0002421	0	0.19130E-06	469339.2	3766654.2	279.0	3.49	4.00	3.25	YES
L0002422	0	0.19130E-06	469337.9	3766645.7	279.0	3.49	4.00	3.25	YES
L0002423	0	0.19130E-06	469336.6	3766637.2	279.0	3.49	4.00	3.25	YES
L0002424	0	0.19130E-06	469335.3	3766628.7	279.0	3.49	4.00	3.25	YES
L0002425	0	0.19130E-06	469334.0	3766620.2	279.0	3.49	4.00	3.25	YES
L0002426	0	0.19130E-06	469332.7	3766611.7	279.0	3.49	4.00	3.25	YES
L0002427	0	0.19130E-06	469331.4	3766603.2	279.0	3.49	4.00	3.25	YES
L0002428	0	0.19130E-06	469330.1	3766594.7	279.0	3.49	4.00	3.25	YES
L0002429	0	0.19130E-06	469328.8	3766586.2	279.1	3.49	4.00	3.25	YES
L0002430	0	0.19130E-06	469327.5	3766577.7	279.3	3.49	4.00	3.25	YES
L0002431	0	0.19130E-06	469326.2	3766569.2	279.9	3.49	4.00	3.25	YES
L0002432	0	0.19130E-06	469324.9	3766560.8	280.5	3.49	4.00	3.25	YES
L0002433	0	0.19130E-06	469323.6	3766552.3	281.1	3.49	4.00	3.25	YES
L0002434	0	0.19130E-06	469322.3	3766543.8	281.6	3.49	4.00	3.25	YES
L0002435	0	0.19130E-06	469321.4	3766535.2	282.0	3.49	4.00	3.25	YES
L0002436	0	0.19130E-06	469321.0	3766526.7	282.4	3.49	4.00	3.25	YES

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 L0002437         0   0.19130E-06  469320.6 3766518.1   282.8     3.49     4.00
3.25     YES
 L0002438         0   0.19130E-06  469320.2 3766509.5   282.9     3.49     4.00
3.25     YES
 L0002439         0   0.19130E-06  469319.8 3766500.9   283.0     3.49     4.00
3.25     YES
 L0002440         0   0.19130E-06  469319.4 3766492.3   283.0     3.49     4.00
3.25     YES
 L0002441         0   0.19130E-06  469319.1 3766483.8   283.0     3.49     4.00
3.25     YES
 L0002442         0   0.19130E-06  469318.7 3766475.2   283.0     3.49     4.00
3.25     YES
 L0002443         0   0.19130E-06  469318.3 3766466.6   282.9     3.49     4.00
3.25     YES
 L0002444         0   0.19130E-06  469317.9 3766458.0   282.8     3.49     4.00
3.25     YES
 L0002445         0   0.19130E-06  469317.5 3766449.4   282.9     3.49     4.00
3.25     YES
 L0002446         0   0.19130E-06  469317.1 3766440.9   283.1     3.49     4.00
3.25     YES
 L0002447         0   0.19130E-06  469316.7 3766432.3   283.2     3.49     4.00
3.25     YES
 L0002448         0   0.19130E-06  469316.3 3766423.7   283.3     3.49     4.00
3.25     YES
 L0002449         0   0.19130E-06  469315.9 3766415.1   283.4     3.49     4.00
3.25     YES
 L0002450         0   0.19130E-06  469315.5 3766406.5   283.4     3.49     4.00
3.25     YES
 L0002451         0   0.19130E-06  469315.1 3766397.9   283.4     3.49     4.00
3.25     YES
 L0002452         0   0.19130E-06  469314.7 3766389.4   283.5     3.49     4.00
3.25     YES
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                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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L0002453	0	0.19130E-06	469314.3	3766380.8	283.5	3.49	4.00	3.25	YES
L0002454	0	0.19130E-06	469313.9	3766372.2	283.6	3.49	4.00	3.25	YES
L0002455	0	0.19130E-06	469312.7	3766363.7	283.8	3.49	4.00	3.25	YES
L0002456	0	0.19130E-06	469311.4	3766355.2	284.3	3.49	4.00	3.25	YES
L0002457	0	0.19130E-06	469310.1	3766346.7	284.6	3.49	4.00	3.25	YES
L0002458	0	0.19130E-06	469308.8	3766338.2	284.9	3.49	4.00	3.25	YES
L0002459	0	0.19130E-06	469307.6	3766329.7	285.1	3.49	4.00	3.25	YES
L0002460	0	0.19130E-06	469306.3	3766321.2	285.1	3.49	4.00	3.25	YES
L0002461	0	0.19130E-06	469305.0	3766312.8	285.1	3.49	4.00	3.25	YES
L0002462	0	0.19130E-06	469303.7	3766304.3	285.1	3.49	4.00	3.25	YES
L0002463	0	0.19130E-06	469302.4	3766295.8	285.1	3.49	4.00	3.25	YES
L0002464	0	0.19130E-06	469301.1	3766287.3	285.1	3.49	4.00	3.25	YES
L0002465	0	0.19130E-06	469299.8	3766278.8	285.0	3.49	4.00	3.25	YES
L0002466	0	0.19130E-06	469298.5	3766270.3	285.3	3.49	4.00	3.25	YES
L0002467	0	0.19130E-06	469297.2	3766261.8	285.6	3.49	4.00	3.25	YES
L0002468	0	0.19130E-06	469295.9	3766253.3	285.9	3.49	4.00	3.25	YES
L0002469	0	0.19130E-06	469294.6	3766244.8	286.2	3.49	4.00	3.25	YES
L0002470	0	0.19130E-06	469293.3	3766236.3	286.6	3.49	4.00	3.25	YES
L0002471	0	0.19130E-06	469292.0	3766227.8	286.9	3.49	4.00	3.25	YES
L0002472	0	0.19130E-06	469290.7	3766219.3	287.2	3.49	4.00	3.25	YES
L0002473	0	0.19130E-06	469289.4	3766210.8	287.3	3.49	4.00	3.25	YES
L0002474	0	0.19130E-06	469288.1	3766202.4	287.4	3.49	4.00	3.25	YES
L0002475	0	0.19130E-06	469286.8	3766193.9	287.4	3.49	4.00	3.25	YES
L0002476	0	0.19130E-06	469285.5	3766185.4	287.5	3.49	4.00	3.25	YES

```
 L0002477         0   0.19130E-06  469284.2 3766176.9   287.5     3.49     4.00
3.25     YES
 L0002478         0   0.19130E-06  469283.0 3766168.4   287.6     3.49     4.00
3.25     YES
 L0002479         0   0.19130E-06  469281.7 3766159.9   287.6     3.49     4.00
3.25     YES
 L0002480         0   0.19130E-06  469280.4 3766151.4   287.6     3.49     4.00
3.25     YES
 L0002481         0   0.19130E-06  469279.1 3766142.9   287.7     3.49     4.00
3.25     YES
 L0002482         0   0.19130E-06  469277.8 3766134.4   287.7     3.49     4.00
3.25     YES
 L0002483         0   0.19130E-06  469276.5 3766125.9   287.8     3.49     4.00
3.25     YES
 L0002484         0   0.19130E-06  469275.2 3766117.4   287.8     3.49     4.00
3.25     YES
 L0002485         0   0.19130E-06  469273.9 3766108.9   287.9     3.49     4.00
3.25     YES
 L0002486         0   0.19130E-06  469272.6 3766100.5   287.9     3.49     4.00
3.25     YES
 L0002487         0   0.19130E-06  469271.3 3766092.0   287.9     3.49     4.00
3.25     YES
 L0002488         0   0.19130E-06  469270.0 3766083.5   288.0     3.49     4.00
3.25     YES
 L0002489         0   0.19130E-06  469268.7 3766075.0   288.0     3.49     4.00
3.25     YES
 L0002490         0   0.19130E-06  469267.4 3766066.5   288.1     3.49     4.00
3.25     YES
 L0002491         0   0.19130E-06  469266.1 3766058.0   287.9     3.49     4.00
3.25     YES
 L0002492         0   0.19130E-06  469264.8 3766049.5   287.7     3.49     4.00
3.25     YES
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

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- - - - - - - - - - - - - - - - - - - -

 L0002493         0   0.19130E-06  469263.5 3766041.0   287.5     3.49     4.00
3.25     YES
 L0002494         0   0.19130E-06  469262.2 3766032.5   287.5     3.49     4.00
3.25     YES
 L0002495         0   0.19130E-06  469260.5 3766024.1   287.5     3.49     4.00
3.25     YES
 L0002496         0   0.19130E-06  469258.2 3766015.8   287.5     3.49     4.00
3.25     YES
 L0002497         0   0.19130E-06  469256.0 3766007.6   287.5     3.49     4.00
3.25     YES
 L0002498         0   0.19130E-06  469253.7 3765999.3   287.5     3.49     4.00
3.25     YES
 L0002499         0   0.19130E-06  469251.4 3765991.0   287.6     3.49     4.00
3.25     YES
 L0002500         0   0.19130E-06  469249.2 3765982.7   287.7     3.49     4.00
3.25     YES
 L0002501         0   0.19130E-06  469246.9 3765974.4   287.8     3.49     4.00
3.25     YES
 L0002502         0   0.19130E-06  469244.6 3765966.1   287.8     3.49     4.00
3.25     YES
 L0002503         0   0.19130E-06  469242.4 3765957.8   287.9     3.49     4.00
3.25     YES
 L0002504         0   0.19130E-06  469240.1 3765949.5   288.0     3.49     4.00
3.25     YES
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13781 HRA\13781
HRA.ISC                          ***        03/29/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        00:13:39

                                  PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                                SOURCE IDs
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  ALL        L0001253    , L0001254    , L0001255    , L0001256    , L0001257    ,
L0001258    , L0001259    , L0001260    ,

             L0001261    , L0001262    , L0001263    , L0001264    , L0001265    ,
L0001266    , L0001267    , L0001268    ,

             L0001269    , L0001270    , L0001271    , L0001272    , L0001273    ,
L0001274    , L0001275    , L0001276    ,
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L0001277 , L0001278 , L0001279 , L0001280 , L0001281 ,
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L0001298 , L0001299 , L0001300 ,

L0001301 , L0001302 , L0001303 , L0001304 , L0001305 ,
L0001306 , L0001307 , L0001308 ,

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L0001338 , L0001339 , L0001340 ,

L0001341 , L0001342 , L0001343 , L0001344 , L0001345 ,
L0001346 , L0001347 , L0001348 ,

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L0001365 , L0001366 , L0001367 , L0001368 , L0001369 ,
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L0001386 , L0001387 , L0001388 ,

L0001389 , L0001390 , L0001391 , L0001392 , L0001393 ,
L0001394 , L0001395 , L0001396 ,

L0001397 , L0001398 , L0001399 , L0001400 , L0001401 ,
L0001402 , L0001403 , L0001404 ,

L0001405 , L0001406 , L0001407 , L0001408 , L0001409 ,

                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID   SOURCE IDs
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             L0001413   , L0001414   , L0001415   , L0001416   , L0001417   ,
L0001418   , L0001419   , L0001420   ,

             L0001421   , L0001422   , L0001423   , L0001424   , L0001425   ,
L0001426   , L0001427   , L0001428   ,

             L0001429   , L0001430   , L0001431   , L0001432   , L0001433   ,
L0001434   , L0001435   , L0001436   ,

             L0001437   , L0001438   , L0001439   , L0001440   , L0001441   ,
L0001442   , L0001443   , L0001444   ,

             L0001445   , L0001446   , L0001447   , L0001448   , L0001449   ,
L0001450   , L0001451   , L0001452   ,

             L0001453   , L0001454   , L0001455   , L0001456   , L0001457   ,
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             L0001461   , L0001462   , L0001463   , L0001464   , L0001465   ,
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             L0001477   , L0001478   , L0001479   , L0001480   , L0001481   ,
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L0001514    , L0001515    , L0001516    ,

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L0001546    , L0001547    , L0001548    ,

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L0001554    , L0001555    , L0001556    ,

             L0001557    , L0001558    , L0001559    , L0001560    , L0001561    ,
L0001562    , L0001563    , L0001564    ,

             L0001565    , L0001566    , L0001567    , L0001568    , L0001569    ,
L0001570    , L0001571    , L0001572    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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             L0001573    , L0001574    , L0001575    , L0001576    , L0001577    ,
L0001578    , L0001579    , L0001580    ,

             L0001581    , L0001582    , L0001583    , L0001584    , L0001585    ,
L0001586    , L0001587    , L0001588    ,

             L0001589    , L0001590    , L0001591    , L0001592    , L0001593    ,
L0001594    , L0001595    , L0001596    ,
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L0001613 , L0001614 , L0001615 , L0001616 , L0001617 ,
L0001618 , L0001619 , L0001620 ,

L0001621 , L0001622 , L0001623 , L0001624 , L0001625 ,
L0001626 , L0001627 , L0001628 ,

L0001629 , L0001630 , L0001631 , L0001632 , L0001633 ,
L0001634 , L0001635 , L0001636 ,

L0001637 , L0001638 , L0001639 , L0001640 , L0001641 ,
L0001642 , L0001643 , L0001644 ,

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L0001650 , L0001651 , L0001652 ,

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L0001674 , L0001675 , L0001676 ,

L0001677 , L0001678 , L0001679 , L0001680 , L0001681 ,
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L0001698 , L0001699 , L0001700 ,

L0001701 , L0001702 , L0001703 , L0001704 , L0001705 ,
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L0001714 , L0001715 , L0001716 ,

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L0001725 , L0001726 , L0001727 , L0001728 , L0001729 ,

L0001730 , L0001731 , L0001732 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001733 , L0001734 , L0001735 , L0001736 , L0001737 , L0001738 , L0001739 , L0001740 ,
	L0001741 , L0001742 , L0001743 , L0001744 , L0001745 , L0001746 , L0001747 , L0001748 ,
	L0001749 , L0001750 , L0001751 , L0001752 , L0001753 , L0001754 , L0001755 , L0001756 ,
	L0001757 , L0001758 , L0001759 , L0001760 , L0001761 , L0001762 , L0001763 , L0001764 ,
	L0001765 , L0001766 , L0001767 , L0001768 , L0001769 , L0001770 , L0001771 , L0001772 ,
	L0001773 , L0001774 , L0001775 , L0001776 , L0001777 , L0001778 , L0001779 , L0001780 ,
	L0001781 , L0001782 , L0001783 , L0001784 , L0001785 , L0001786 , L0001787 , L0001788 ,
	L0001789 , L0001790 , L0001791 , L0001792 , L0001793 , L0001794 , L0001795 , L0001796 ,
	L0001797 , L0001798 , L0001799 , L0001800 , L0001801 , L0001802 , L0001803 , L0001804 ,
	L0001805 , L0001806 , L0001807 , L0001808 , L0001809 , L0001810 , L0001811 , L0001812 ,
	L0001813 , L0001814 , L0001815 , L0001816 , L0001817 , L0001818 , L0001819 , L0001820 ,

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             L0001821    , L0001822    , L0001823    , L0001824    , L0001825    ,
L0001826    , L0001827    , L0001828    ,

             L0001829    , L0001830    , L0001831    , L0001832    , L0001833    ,
L0001834    , L0001835    , L0001836    ,

             L0001837    , L0001838    , L0001839    , L0001840    , L0001841    ,
L0001842    , L0001843    , L0001844    ,

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L0001850    , L0001851    , L0001852    ,

             L0001853    , L0001854    , L0001855    , L0001856    , L0001857    ,
L0001858    , L0001859    , L0001860    ,

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L0001866    , L0001867    , L0001868    ,

             L0001869    , L0001870    , L0001871    , L0001872    , L0001873    ,
L0001874    , L0001875    , L0001876    ,

             L0001877    , L0001878    , L0001879    , L0001880    , L0001881    ,
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L0001890    , L0001891    , L0001892    ,
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS
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 SRCGROUP ID                                                  SOURCE IDs
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             L0001893    , L0001894    , L0001895    , L0001896    , L0001897    ,
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L0001906    , L0001907    , L0001908    ,

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L0001914    , L0001915    , L0001916    ,
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L0001970 , L0001971 , L0001972 ,

L0001973 , L0001974 , L0001975 , L0001976 , L0001977 ,
L0001978 , L0001979 , L0001980 ,

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L0001986 , L0001987 , L0001988 ,

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L0001994 , L0001995 , L0001996 ,

L0001997 , L0001998 , L0001999 , L0002000 , L0002001 ,
L0002002 , L0002003 , L0002004 ,

L0002005 , L0002006 , L0002007 , L0002008 , L0002009 ,
L0002010 , L0002011 , L0002012 ,

L0002013 , L0002014 , L0002015 , L0002016 , L0002017 ,
L0002018 , L0002019 , L0002020 ,

L0002021 , L0002022 , L0002023 , L0002024 , L0002025 ,
L0002026 , L0002027 , L0002028 ,

L0002029 , L0002030 , L0002031 , L0002032 , L0002033 ,
L0002034 , L0002035 , L0002036 ,

L0002037 , L0002038 , L0002039 , L0002040 , L0002041 ,
L0002042 , L0002043 , L0002044 ,

L0002045 , L0002046 , L0002047 , L0002048 , L0002049 ,

L0002050 , L0002051 , L0002052 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0002061 , L0002062 , L0002063 , L0002064 , L0002065 , L0002066 , L0002067 , L0002068 ,
	L0002069 , L0002070 , L0002071 , L0002072 , L0002073 , L0002074 , L0002075 , L0002076 ,
	L0002077 , L0002078 , L0002079 , L0002080 , L0002081 , L0002082 , L0002083 , L0002084 ,
	L0002085 , L0002086 , L0002087 , L0002088 , L0002089 , L0002090 , L0002091 , L0002092 ,
	L0002093 , L0002094 , L0002095 , L0002096 , L0002097 , L0002098 , L0002099 , L0002100 ,
	L0002101 , L0002102 , L0002103 , L0002104 , L0002105 , L0002106 , L0002107 , L0002108 ,
	L0002109 , L0002110 , L0002111 , L0002112 , L0002113 , L0002114 , L0002115 , L0002116 ,
	L0002117 , L0002118 , L0002119 , L0002120 , L0002121 , L0002122 , L0002123 , L0002124 ,
	L0002125 , L0002126 , L0002127 , L0002128 , L0002129 , L0002130 , L0002131 , L0002132 ,
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L0002154    , L0002155    , L0002156    ,

             L0002157    , L0002158    , L0002159    , L0002160    , L0002161    ,
L0002162    , L0002163    , L0002164    ,

             L0002165    , L0002166    , L0002167    , L0002168    , L0002169    ,
L0002170    , L0002171    , L0002172    ,

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L0002186    , L0002187    , L0002188    ,

             L0002189    , L0002190    , L0002191    , L0002192    , L0002193    ,
L0002194    , L0002195    , L0002196    ,

             L0002197    , L0002198    , L0002199    , L0002200    , L0002201    ,
L0002202    , L0002203    , L0002204    ,

             L0002205    , L0002206    , L0002207    , L0002208    , L0002209    ,
L0002210    , L0002211    , L0002212    ,
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```
                                                *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                                  SOURCE IDs
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L0002218    , L0002219    , L0002220    ,

             L0002221    , L0002222    , L0002223    , L0002224    , L0002225    ,
L0002226    , L0002227    , L0002228    ,

             L0002229    , L0002230    , L0002231    , L0002232    , L0002233    ,
L0002234    , L0002235    , L0002236    ,
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L0002269 , L0002270 , L0002271 , L0002272 , L0002273 , L0002274 , L0002275 , L0002276 ,

L0002277 , L0002278 , L0002279 , L0002280 , L0002281 , L0002282 , L0002283 , L0002284 ,

L0002285 , L0002286 , L0002287 , L0002288 , L0002289 , L0002290 , L0002291 , L0002292 ,

L0002293 , L0002294 , L0002295 , L0002296 , L0002297 , L0002298 , L0002299 , L0002300 ,

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L0002365 , L0002366 , L0002367 , L0002368 , L0002369 ,

L0002370 , L0002371 , L0002372 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0002373 , L0002374 , L0002375 , L0002376 , L0002377 , L0002378 , L0002379 , L0002380 ,
	L0002381 , L0002382 , L0002383 , L0002384 , L0002385 , L0002386 , L0002387 , L0002388 ,
	L0002389 , L0002390 , L0002391 , L0002392 , L0002393 , L0002394 , L0002395 , L0002396 ,
	L0002397 , L0002398 , L0002399 , L0002400 , L0002401 , L0002402 , L0002403 , L0002404 ,
	L0002405 , L0002406 , L0002407 , L0002408 , L0002409 , L0002410 , L0002411 , L0002412 ,
	L0002413 , L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 ,
	L0002421 , L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 ,
	L0002429 , L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 ,
	L0002437 , L0002438 , L0002439 , L0002440 , L0002441 , L0002442 , L0002443 , L0002444 ,
	L0002445 , L0002446 , L0002447 , L0002448 , L0002449 , L0002450 , L0002451 , L0002452 ,
	L0002453 , L0002454 , L0002455 , L0002456 , L0002457 , L0002458 , L0002459 , L0002460 ,

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L0002466    , L0002467    , L0002468    ,

             L0002469    , L0002470    , L0002471    , L0002472    , L0002473    ,
L0002474    , L0002475    , L0002476    ,

             L0002477    , L0002478    , L0002479    , L0002480    , L0002481    ,
L0002482    , L0002483    , L0002484    ,

             L0002485    , L0002486    , L0002487    , L0002488    , L0002489    ,
L0002490    , L0002491    , L0002492    ,

             L0002493    , L0002494    , L0002495    , L0002496    , L0002497    ,
L0002498    , L0002499    , L0002500    ,

             L0002501    , L0002502    , L0002503    , L0002504    ,
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                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
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  URBAN ID   URBAN POP                                     SOURCE IDs
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              2035210.   L0001253    , L0001254    , L0001255    , L0001256    ,
L0001257    , L0001258    , L0001259    ,
 L0001260    ,

             L0001261    , L0001262    , L0001263    , L0001264    , L0001265    ,
L0001266    , L0001267    , L0001268    ,

             L0001269    , L0001270    , L0001271    , L0001272    , L0001273    ,
L0001274    , L0001275    , L0001276    ,

             L0001277    , L0001278    , L0001279    , L0001280    , L0001281    ,
L0001282    , L0001283    , L0001284    ,

             L0001285    , L0001286    , L0001287    , L0001288    , L0001289    ,
L0001290    , L0001291    , L0001292    ,

             L0001293    , L0001294    , L0001295    , L0001296    , L0001297    ,
L0001298    , L0001299    , L0001300    ,
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L0001306    , L0001307    , L0001308    ,

             L0001309    , L0001310    , L0001311    , L0001312    , L0001313    ,
L0001314    , L0001315    , L0001316    ,

             L0001317    , L0001318    , L0001319    , L0001320    , L0001321    ,
L0001322    , L0001323    , L0001324    ,

             L0001325    , L0001326    , L0001327    , L0001328    , L0001329    ,
L0001330    , L0001331    , L0001332    ,

             L0001333    , L0001334    , L0001335    , L0001336    , L0001337    ,
L0001338    , L0001339    , L0001340    ,

             L0001341    , L0001342    , L0001343    , L0001344    , L0001345    ,
L0001346    , L0001347    , L0001348    ,

             L0001349    , L0001350    , L0001351    , L0001352    , L0001353    ,
L0001354    , L0001355    , L0001356    ,

             L0001357    , L0001358    , L0001359    , L0001360    , L0001361    ,
L0001362    , L0001363    , L0001364    ,

             L0001365    , L0001366    , L0001367    , L0001368    , L0001369    ,
L0001370    , L0001371    , L0001372    ,

             L0001373    , L0001374    , L0001375    , L0001376    , L0001377    ,
L0001378    , L0001379    , L0001380    ,

             L0001381    , L0001382    , L0001383    , L0001384    , L0001385    ,
L0001386    , L0001387    , L0001388    ,

             L0001389    , L0001390    , L0001391    , L0001392    , L0001393    ,
L0001394    , L0001395    , L0001396    ,

             L0001397    , L0001398    , L0001399    , L0001400    , L0001401    ,
L0001402    , L0001403    , L0001404    ,

             L0001405    , L0001406    , L0001407    , L0001408    , L0001409    ,
L0001410    , L0001411    , L0001412    ,
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0001413 , L0001414 , L0001415 , L0001416 , L0001417 , L0001418 , L0001419 , L0001420 ,
		L0001421 , L0001422 , L0001423 , L0001424 , L0001425 , L0001426 , L0001427 , L0001428 ,
		L0001429 , L0001430 , L0001431 , L0001432 , L0001433 , L0001434 , L0001435 , L0001436 ,
		L0001437 , L0001438 , L0001439 , L0001440 , L0001441 , L0001442 , L0001443 , L0001444 ,
		L0001445 , L0001446 , L0001447 , L0001448 , L0001449 , L0001450 , L0001451 , L0001452 ,
		L0001453 , L0001454 , L0001455 , L0001456 , L0001457 , L0001458 , L0001459 , L0001460 ,
		L0001461 , L0001462 , L0001463 , L0001464 , L0001465 , L0001466 , L0001467 , L0001468 ,
		L0001469 , L0001470 , L0001471 , L0001472 , L0001473 , L0001474 , L0001475 , L0001476 ,
		L0001477 , L0001478 , L0001479 , L0001480 , L0001481 , L0001482 , L0001483 , L0001484 ,
		L0001485 , L0001486 , L0001487 , L0001488 , L0001489 , L0001490 , L0001491 , L0001492 ,
		L0001493 , L0001494 , L0001495 , L0001496 , L0001497 , L0001498 , L0001499 , L0001500 ,
		L0001501 , L0001502 , L0001503 , L0001504 , L0001505 , L0001506 , L0001507 , L0001508 ,
		L0001509 , L0001510 , L0001511 , L0001512 , L0001513 , L0001514 , L0001515 , L0001516 ,
		L0001517 , L0001518 , L0001519 , L0001520 , L0001521 , L0001522 , L0001523 , L0001524 ,

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             L0001525    , L0001526    , L0001527    , L0001528    , L0001529    ,
L0001530    , L0001531    , L0001532    ,

             L0001533    , L0001534    , L0001535    , L0001536    , L0001537    ,
L0001538    , L0001539    , L0001540    ,

             L0001541    , L0001542    , L0001543    , L0001544    , L0001545    ,
L0001546    , L0001547    , L0001548    ,

             L0001549    , L0001550    , L0001551    , L0001552    , L0001553    ,
L0001554    , L0001555    , L0001556    ,

             L0001557    , L0001558    , L0001559    , L0001560    , L0001561    ,
L0001562    , L0001563    , L0001564    ,

             L0001565    , L0001566    , L0001567    , L0001568    , L0001569    ,
L0001570    , L0001571    , L0001572    ,
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                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                    SOURCE IDs
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             L0001573    , L0001574    , L0001575    , L0001576    , L0001577    ,
L0001578    , L0001579    , L0001580    ,

             L0001581    , L0001582    , L0001583    , L0001584    , L0001585    ,
L0001586    , L0001587    , L0001588    ,

             L0001589    , L0001590    , L0001591    , L0001592    , L0001593    ,
L0001594    , L0001595    , L0001596    ,

             L0001597    , L0001598    , L0001599    , L0001600    , L0001601    ,
L0001602    , L0001603    , L0001604    ,

             L0001605    , L0001606    , L0001607    , L0001608    , L0001609    ,
L0001610    , L0001611    , L0001612    ,

             L0001613    , L0001614    , L0001615    , L0001616    , L0001617    ,
L0001618    , L0001619    , L0001620    ,
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             L0001621    , L0001622    , L0001623    , L0001624    , L0001625    ,
L0001626    , L0001627    , L0001628    ,

             L0001629    , L0001630    , L0001631    , L0001632    , L0001633    ,
L0001634    , L0001635    , L0001636    ,

             L0001637    , L0001638    , L0001639    , L0001640    , L0001641    ,
L0001642    , L0001643    , L0001644    ,

             L0001645    , L0001646    , L0001647    , L0001648    , L0001649    ,
L0001650    , L0001651    , L0001652    ,

             L0001653    , L0001654    , L0001655    , L0001656    , L0001657    ,
L0001658    , L0001659    , L0001660    ,

             L0001661    , L0001662    , L0001663    , L0001664    , L0001665    ,
L0001666    , L0001667    , L0001668    ,

             L0001669    , L0001670    , L0001671    , L0001672    , L0001673    ,
L0001674    , L0001675    , L0001676    ,

             L0001677    , L0001678    , L0001679    , L0001680    , L0001681    ,
L0001682    , L0001683    , L0001684    ,

             L0001685    , L0001686    , L0001687    , L0001688    , L0001689    ,
L0001690    , L0001691    , L0001692    ,

             L0001693    , L0001694    , L0001695    , L0001696    , L0001697    ,
L0001698    , L0001699    , L0001700    ,

             L0001701    , L0001702    , L0001703    , L0001704    , L0001705    ,
L0001706    , L0001707    , L0001708    ,

             L0001709    , L0001710    , L0001711    , L0001712    , L0001713    ,
L0001714    , L0001715    , L0001716    ,

             L0001717    , L0001718    , L0001719    , L0001720    , L0001721    ,
L0001722    , L0001723    , L0001724    ,

             L0001725    , L0001726    , L0001727    , L0001728    , L0001729    ,
L0001730    , L0001731    , L0001732    ,
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0001733 , L0001734 , L0001735 , L0001736 , L0001737 , L0001738 , L0001739 , L0001740 ,
		L0001741 , L0001742 , L0001743 , L0001744 , L0001745 , L0001746 , L0001747 , L0001748 ,
		L0001749 , L0001750 , L0001751 , L0001752 , L0001753 , L0001754 , L0001755 , L0001756 ,
		L0001757 , L0001758 , L0001759 , L0001760 , L0001761 , L0001762 , L0001763 , L0001764 ,
		L0001765 , L0001766 , L0001767 , L0001768 , L0001769 , L0001770 , L0001771 , L0001772 ,
		L0001773 , L0001774 , L0001775 , L0001776 , L0001777 , L0001778 , L0001779 , L0001780 ,
		L0001781 , L0001782 , L0001783 , L0001784 , L0001785 , L0001786 , L0001787 , L0001788 ,
		L0001789 , L0001790 , L0001791 , L0001792 , L0001793 , L0001794 , L0001795 , L0001796 ,
		L0001797 , L0001798 , L0001799 , L0001800 , L0001801 , L0001802 , L0001803 , L0001804 ,
		L0001805 , L0001806 , L0001807 , L0001808 , L0001809 , L0001810 , L0001811 , L0001812 ,
		L0001813 , L0001814 , L0001815 , L0001816 , L0001817 , L0001818 , L0001819 , L0001820 ,
		L0001821 , L0001822 , L0001823 , L0001824 , L0001825 , L0001826 , L0001827 , L0001828 ,
		L0001829 , L0001830 , L0001831 , L0001832 , L0001833 , L0001834 , L0001835 , L0001836 ,
		L0001837 , L0001838 , L0001839 , L0001840 , L0001841 , L0001842 , L0001843 , L0001844 ,

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             L0001845    , L0001846    , L0001847    , L0001848    , L0001849    ,
L0001850    , L0001851    , L0001852    ,

             L0001853    , L0001854    , L0001855    , L0001856    , L0001857    ,
L0001858    , L0001859    , L0001860    ,

             L0001861    , L0001862    , L0001863    , L0001864    , L0001865    ,
L0001866    , L0001867    , L0001868    ,

             L0001869    , L0001870    , L0001871    , L0001872    , L0001873    ,
L0001874    , L0001875    , L0001876    ,

             L0001877    , L0001878    , L0001879    , L0001880    , L0001881    ,
L0001882    , L0001883    , L0001884    ,

             L0001885    , L0001886    , L0001887    , L0001888    , L0001889    ,
L0001890    , L0001891    , L0001892    ,
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                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
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  URBAN ID   URBAN POP                                     SOURCE IDs
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             L0001893    , L0001894    , L0001895    , L0001896    , L0001897    ,
L0001898    , L0001899    , L0001900    ,

             L0001901    , L0001902    , L0001903    , L0001904    , L0001905    ,
L0001906    , L0001907    , L0001908    ,

             L0001909    , L0001910    , L0001911    , L0001912    , L0001913    ,
L0001914    , L0001915    , L0001916    ,

             L0001917    , L0001918    , L0001919    , L0001920    , L0001921    ,
L0001922    , L0001923    , L0001924    ,

             L0001925    , L0001926    , L0001927    , L0001928    , L0001929    ,
L0001930    , L0001931    , L0001932    ,

             L0001933    , L0001934    , L0001935    , L0001936    , L0001937    ,
L0001938    , L0001939    , L0001940    ,
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L0001946    , L0001947    , L0001948    ,

             L0001949    , L0001950    , L0001951    , L0001952    , L0001953    ,
L0001954    , L0001955    , L0001956    ,

             L0001957    , L0001958    , L0001959    , L0001960    , L0001961    ,
L0001962    , L0001963    , L0001964    ,

             L0001965    , L0001966    , L0001967    , L0001968    , L0001969    ,
L0001970    , L0001971    , L0001972    ,

             L0001973    , L0001974    , L0001975    , L0001976    , L0001977    ,
L0001978    , L0001979    , L0001980    ,

             L0001981    , L0001982    , L0001983    , L0001984    , L0001985    ,
L0001986    , L0001987    , L0001988    ,

             L0001989    , L0001990    , L0001991    , L0001992    , L0001993    ,
L0001994    , L0001995    , L0001996    ,

             L0001997    , L0001998    , L0001999    , L0002000    , L0002001    ,
L0002002    , L0002003    , L0002004    ,

             L0002005    , L0002006    , L0002007    , L0002008    , L0002009    ,
L0002010    , L0002011    , L0002012    ,

             L0002013    , L0002014    , L0002015    , L0002016    , L0002017    ,
L0002018    , L0002019    , L0002020    ,

             L0002021    , L0002022    , L0002023    , L0002024    , L0002025    ,
L0002026    , L0002027    , L0002028    ,

             L0002029    , L0002030    , L0002031    , L0002032    , L0002033    ,
L0002034    , L0002035    , L0002036    ,

             L0002037    , L0002038    , L0002039    , L0002040    , L0002041    ,
L0002042    , L0002043    , L0002044    ,

             L0002045    , L0002046    , L0002047    , L0002048    , L0002049    ,
L0002050    , L0002051    , L0002052    ,
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0002053 , L0002054 , L0002055 , L0002056 , L0002057 , L0002058 , L0002059 , L0002060 ,
		L0002061 , L0002062 , L0002063 , L0002064 , L0002065 , L0002066 , L0002067 , L0002068 ,
		L0002069 , L0002070 , L0002071 , L0002072 , L0002073 , L0002074 , L0002075 , L0002076 ,
		L0002077 , L0002078 , L0002079 , L0002080 , L0002081 , L0002082 , L0002083 , L0002084 ,
		L0002085 , L0002086 , L0002087 , L0002088 , L0002089 , L0002090 , L0002091 , L0002092 ,
		L0002093 , L0002094 , L0002095 , L0002096 , L0002097 , L0002098 , L0002099 , L0002100 ,
		L0002101 , L0002102 , L0002103 , L0002104 , L0002105 , L0002106 , L0002107 , L0002108 ,
		L0002109 , L0002110 , L0002111 , L0002112 , L0002113 , L0002114 , L0002115 , L0002116 ,
		L0002117 , L0002118 , L0002119 , L0002120 , L0002121 , L0002122 , L0002123 , L0002124 ,
		L0002125 , L0002126 , L0002127 , L0002128 , L0002129 , L0002130 , L0002131 , L0002132 ,
		L0002133 , L0002134 , L0002135 , L0002136 , L0002137 , L0002138 , L0002139 , L0002140 ,
		L0002141 , L0002142 , L0002143 , L0002144 , L0002145 , L0002146 , L0002147 , L0002148 ,
		L0002149 , L0002150 , L0002151 , L0002152 , L0002153 , L0002154 , L0002155 , L0002156 ,
		L0002157 , L0002158 , L0002159 , L0002160 , L0002161 , L0002162 , L0002163 , L0002164 ,

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L0002170    , L0002171    , L0002172    ,

             L0002173    , L0002174    , L0002175    , L0002176    , L0002177    ,
L0002178    , L0002179    , L0002180    ,

             L0002181    , L0002182    , L0002183    , L0002184    , L0002185    ,
L0002186    , L0002187    , L0002188    ,

             L0002189    , L0002190    , L0002191    , L0002192    , L0002193    ,
L0002194    , L0002195    , L0002196    ,

             L0002197    , L0002198    , L0002199    , L0002200    , L0002201    ,
L0002202    , L0002203    , L0002204    ,

             L0002205    , L0002206    , L0002207    , L0002208    , L0002209    ,
L0002210    , L0002211    , L0002212    ,
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                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                     SOURCE IDs
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             L0002213    , L0002214    , L0002215    , L0002216    , L0002217    ,
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L0002226    , L0002227    , L0002228    ,

             L0002229    , L0002230    , L0002231    , L0002232    , L0002233    ,
L0002234    , L0002235    , L0002236    ,

             L0002237    , L0002238    , L0002239    , L0002240    , L0002241    ,
L0002242    , L0002243    , L0002244    ,

             L0002245    , L0002246    , L0002247    , L0002248    , L0002249    ,
L0002250    , L0002251    , L0002252    ,

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L0002258    , L0002259    , L0002260    ,
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L0002266    , L0002267    , L0002268    ,

             L0002269    , L0002270    , L0002271    , L0002272    , L0002273    ,
L0002274    , L0002275    , L0002276    ,

             L0002277    , L0002278    , L0002279    , L0002280    , L0002281    ,
L0002282    , L0002283    , L0002284    ,

             L0002285    , L0002286    , L0002287    , L0002288    , L0002289    ,
L0002290    , L0002291    , L0002292    ,

             L0002293    , L0002294    , L0002295    , L0002296    , L0002297    ,
L0002298    , L0002299    , L0002300    ,

             L0002301    , L0002302    , L0002303    , L0002304    , L0002305    ,
L0002306    , L0002307    , L0002308    ,

             L0002309    , L0002310    , L0002311    , L0002312    , L0002313    ,
L0002314    , L0002315    , L0002316    ,

             L0002317    , L0002318    , L0002319    , L0002320    , L0002321    ,
L0002322    , L0002323    , L0002324    ,

             L0002325    , L0002326    , L0002327    , L0002328    , L0002329    ,
L0002330    , L0002331    , L0002332    ,

             L0002333    , L0002334    , L0002335    , L0002336    , L0002337    ,
L0002338    , L0002339    , L0002340    ,

             L0002341    , L0002342    , L0002343    , L0002344    , L0002345    ,
L0002346    , L0002347    , L0002348    ,

             L0002349    , L0002350    , L0002351    , L0002352    , L0002353    ,
L0002354    , L0002355    , L0002356    ,

             L0002357    , L0002358    , L0002359    , L0002360    , L0002361    ,
L0002362    , L0002363    , L0002364    ,

             L0002365    , L0002366    , L0002367    , L0002368    , L0002369    ,
L0002370    , L0002371    , L0002372    ,
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0002373 , L0002374 , L0002375 , L0002376 , L0002377 , L0002378 , L0002379 , L0002380 ,
		L0002381 , L0002382 , L0002383 , L0002384 , L0002385 , L0002386 , L0002387 , L0002388 ,
		L0002389 , L0002390 , L0002391 , L0002392 , L0002393 , L0002394 , L0002395 , L0002396 ,
		L0002397 , L0002398 , L0002399 , L0002400 , L0002401 , L0002402 , L0002403 , L0002404 ,
		L0002405 , L0002406 , L0002407 , L0002408 , L0002409 , L0002410 , L0002411 , L0002412 ,
		L0002413 , L0002414 , L0002415 , L0002416 , L0002417 , L0002418 , L0002419 , L0002420 ,
		L0002421 , L0002422 , L0002423 , L0002424 , L0002425 , L0002426 , L0002427 , L0002428 ,
		L0002429 , L0002430 , L0002431 , L0002432 , L0002433 , L0002434 , L0002435 , L0002436 ,
		L0002437 , L0002438 , L0002439 , L0002440 , L0002441 , L0002442 , L0002443 , L0002444 ,
		L0002445 , L0002446 , L0002447 , L0002448 , L0002449 , L0002450 , L0002451 , L0002452 ,
		L0002453 , L0002454 , L0002455 , L0002456 , L0002457 , L0002458 , L0002459 , L0002460 ,
		L0002461 , L0002462 , L0002463 , L0002464 , L0002465 , L0002466 , L0002467 , L0002468 ,
		L0002469 , L0002470 , L0002471 , L0002472 , L0002473 , L0002474 , L0002475 , L0002476 ,
		L0002477 , L0002478 , L0002479 , L0002480 , L0002481 , L0002482 , L0002483 , L0002484 ,

L0002485 , L0002486 , L0002487 , L0002488 , L0002489 ,
L0002490 , L0002491 , L0002492 ,

L0002493 , L0002494 , L0002495 , L0002496 , L0002497 ,
L0002498 , L0002499 , L0002500 ,

L0002501 , L0002502 , L0002503 , L0002504 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(468498.0, 3768101.1, 274.8, 423.0, 0.0); (468691.8, 3768067.1, 275.4, 423.0, 0.0);
(468486.0, 3768135.5, 276.8, 423.0, 0.0); (469260.5, 3766629.4, 290.6, 739.0, 0.0);
(468957.7, 3766801.8, 306.6, 739.0, 0.0); (468792.0, 3766772.3, 320.8, 447.0, 0.0);
(469085.1, 3766767.1, 299.0, 739.0, 0.0); (469391.4, 3768207.2, 281.4, 378.0, 0.0);
(469127.5, 3768328.7, 283.5, 395.0, 0.0); (469497.5, 3768301.6, 282.8, 376.0, 0.0);
(469797.0, 3768723.8, 288.0, 288.0, 0.0); (469966.5, 3768920.1, 291.0, 291.0, 0.0);
(469123.3, 3768281.5, 281.8, 395.0, 0.0); (469249.3, 3769016.0, 296.2, 395.0, 0.0);
(467633.2, 3767789.3, 267.6, 423.0, 0.0); (467279.3, 3767510.9, 267.0, 429.0, 0.0);
(469099.1, 3767755.6, 274.0, 423.0, 0.0); (469164.7, 3767761.8, 274.8, 736.0, 0.0);
(469376.1, 3767720.9, 275.0, 739.0, 0.0); (469214.2, 3767971.4, 276.6, 423.0, 0.0);
(469188.0, 3768076.8, 277.0, 423.0, 0.0); (469249.9, 3767903.6, 276.0, 423.0, 0.0);
(469215.3, 3768117.1, 277.5, 423.0, 0.0); (469245.2, 3768930.7, 295.9, 395.0, 0.0);
(469166.9, 3768938.4, 297.4, 395.0, 0.0); (469551.3, 3768023.2, 278.3, 739.0, 0.0);
(469038.7, 3768170.6, 279.0, 423.0, 0.0); (469188.2, 3768288.9, 282.1, 395.0, 0.0);
(469317.7, 3768323.9, 283.2, 395.0, 0.0); (469837.3, 3768610.4, 286.8, 286.8, 0.0);
(469899.7, 3768634.6, 287.0, 287.0, 0.0); (469912.0,

3768589.7, 287.0, 287.0, 0.0);
(469257.9, 3767444.7, 275.0, 739.0, 0.0); (469478.4, 3768478.1, 285.0, 393.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: FONTANAADJU\FONT_V9_ADJU\FONT_V9.SFC
Met Version: 16216
Profile file: FONTANAADJU\FONT_V9_ADJU\FONT_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	0.22	2.20	58.	9.1	282.0	5.5
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	0.21	2.20	115.	9.1	283.1	5.5
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82	0.21	1.30	147.	9.1	284.2	5.5
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82	0.23	1.30	219.	9.1	284.9	5.5
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82						

```
0.26    1.30  126.    9.1  285.4    5.5
 11 01 01   1 16   26.4  0.140  1.037  0.009 1477.  127.     -9.1  0.25   2.82
0.35    0.90  151.    9.1  284.9    5.5
 11 01 01   1 17   -9.0  0.137 -9.000 -9.000 -999.  121.     24.9  0.25   2.82
0.63    1.30   69.    9.1  283.1    5.5
 11 01 01   1 18  -33.4  0.342 -9.000 -9.000 -999.  481.    129.0  0.25   2.82
1.00    3.10   81.    9.1  281.4    5.5
 11 01 01   1 19  -33.6  0.342 -9.000 -9.000 -999.  481.    128.9  0.25   2.82
1.00    3.10   51.    9.1  279.9    5.5
 11 01 01   1 20  -23.6  0.239 -9.000 -9.000 -999.  287.     63.1  0.25   2.82
1.00    2.20   77.    9.1  278.8    5.5
 11 01 01   1 21  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   53.    9.1  277.5    5.5
 11 01 01   1 22  -23.7  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82
1.00    2.20   58.    9.1  277.5    5.5
 11 01 01   1 23  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82
1.00    1.80   64.    9.1  277.5    5.5
 11 01 01   1 24   -4.5  0.094 -9.000 -9.000 -999.   74.     16.3  0.25   2.82
1.00    0.90   52.    9.1  277.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 11 01 01 01    5.5 0 -999.  -99.00   276.5   99.0  -99.00  -99.00
 11 01 01 01    9.1 1   69.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13781 HRA\13781
HRA.ISC                          ***        03/29/21
 *** AERMET - VERSION  16216 ***   ***
                       ***        00:13:39

                                  PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5
YEARS FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0001253    , L0001254
 , L0001255    , L0001256    , L0001257    ,
                L0001258    , L0001259    , L0001260    , L0001261    , L0001262
 , L0001263    , L0001264    , L0001265    ,
                L0001266    , L0001267    , L0001268    , L0001269    , L0001270
 , L0001271    , L0001272    , L0001273    ,
                L0001274    , L0001275    , L0001276    , L0001277    , L0001278
 , L0001279    , L0001280    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF DPM      IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
468497.97	3768101.13	0.00871	468691.78	3768067.13	0.01173
468486.02	3768135.50	0.00663	469260.46	3766629.40	0.00079
468957.71	3766801.77	0.00043	468791.97	3766772.30	0.00036
469085.14	3766767.15	0.00048	469391.43	3768207.19	0.00204
469127.45	3768328.73	0.00455	469497.49	3768301.64	0.00212
469796.99	3768723.81	0.00182	469966.47	3768920.14	0.00182
469123.32	3768281.55	0.00519	469249.32	3769016.01	0.00259
467633.17	3767789.35	0.00946	467279.32	3767510.86	0.00140
469099.14	3767755.57	0.00187	469164.67	3767761.85	0.00198
469376.08	3767720.88	0.00274	469214.21	3767971.42	0.00419
469188.02	3768076.75	0.00395	469249.91	3767903.58	0.00361
469215.34	3768117.06	0.00313	469245.17	3768930.74	0.00231
469166.91	3768938.37	0.00202	469551.31	3768023.25	0.00196
469038.72	3768170.65	0.00840	469188.17	3768288.91	0.00319
469317.72	3768323.88	0.00223	469837.35	3768610.36	0.00158
469899.72	3768634.59	0.00130	469912.04	3768589.70	0.00120
469257.91	3767444.73	0.00114	469478.36	3768478.11	0.00172

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

```
                                   ** CONC OF DPM      IN MICROGRAMS/M**3
                **


                        NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.01173 AT (  468691.78,  3768067.13,
275.38,   423.00,    0.00)  DC
          2ND HIGHEST VALUE IS       0.00946 AT (  467633.17,  3767789.35,
267.55,   423.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00871 AT (  468497.97,  3768101.13,
274.82,   423.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00840 AT (  469038.72,  3768170.65,
279.00,   423.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00663 AT (  468486.02,  3768135.50,
276.82,   423.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00519 AT (  469123.32,  3768281.55,
281.84,   395.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00455 AT (  469127.45,  3768328.73,
283.52,   395.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00419 AT (  469214.21,  3767971.42,
276.58,   423.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00395 AT (  469188.02,  3768076.75,
277.00,   423.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00361 AT (  469249.91,  3767903.58,
276.00,   423.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\LAKES\AERMOD VIEW\13781 HRA\13781
HRA.ISC                         ***        03/29/21
 *** AERMET - VERSION  16216 ***   ***
                        ***        00:13:39

                                   PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------
```

```
 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of          838 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of           40 Calm Hours Identified

 A Total of          798 Missing Hours Identified (  1.82 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    2855       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    2855       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
  12010216
 MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =
  12042516
 MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =
  12113003
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
  15010101
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

AVERAGE EMISSION FACTOR
RIVERSIDE COUNTY 2023

Speed	LHD1	MHD	HHD
0	0.356236	0.114036	0.01588
5	0.031861	0.052929	0.04181
25	0.011555	0.026796	0.01757

Speed	**Weighted Average Emissions**
0	**0.12560**
5	**0.04016**
25	**0.01685**

Emission Rates - 2023 Emission Factors

Truck Emission Rates						
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling Building 1	170			0.1256	16.65	1.927E-04
On-Site Travel Building 1, Dwy 1.	52	34.25	0.0402		2.29	2.648E-05
On-Site Travel Building 1, Dwy 3.	288	177.82	0.0402		11.87	1.374E-04
On-Site Idling Building 2	109			0.1256	10.68	1.236E-04
On-Site Travel Building 2	218	101.08	0.0402		6.75	7.813E-05
Off-Site Travel 20%	112	69.23	0.0169		1.54	1.777E-05
Off-Site Travel 15% between Dwy. 1 and 3	84	37.46	0.0169		0.83	9.613E-06
Off-Site Travel 50% between Dwy. 3 and 4	279	56.10	0.0169		1.24	1.440E-05
Off-Site Travel 80% Agua Mansa to Rancho	446	125.96	0.0169		2.79	3.233E-05
Off-Site Travel 35% Rancho	195	115.78	0.0169		2.57	2.972E-05
Off-Site Travel 45%	251	99.67	0.0169		2.21	2.558E-05
Off-Site Travel 20%	112	101.10	0.0169		2.24	2.595E-05
Off-Site Travel 25%	140	158.77	0.0169		3.52	4.075E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes and each TRU idles for 30 minutes on-site.

calendar_y	season_mo	sub_area	vehicle_class	fuel	temperatu	relative_hu	process	speed_tim	pollutant
2022	Annual	San Bernardino (SC)	HHDT	Dsl	60	70	RUNEX	5	PM10
2022	Annual	San Bernardino (SC)	HHDT	Dsl	60	70	RUNEX	25	PM10
2022	Annual	San Bernardino (SC)	LHDT1	Dsl	60	70	RUNEX	5	PM10
2022	Annual	San Bernardino (SC)	LHDT1	Dsl	60	70	RUNEX	25	PM10
2022	Annual	San Bernardino (SC)	MHDT	Dsl	60	70	RUNEX	5	PM10
2022	Annual	San Bernardino (SC)	MHDT	Dsl	60	70	RUNEX	25	PM10
2022	Annual	San Bernardino (SC)	HHDT	Dsl			IDLEX		PM10
2022	Annual	San Bernardino (SC)	LHDT1	Dsl			IDLEX		PM10
2022	Annual	San Bernardino (SC)	MHDT	Dsl			IDLEX		PM10

emission_rate
0.045082
0.018946
0.070615
0.02561
0.05814
0.029434
0.017119
0.789532
0.125262

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SAN BERNARDINO
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population
SAN BERNARDINO	2022	HHDT	Aggregate	Aggregate	GAS	5.738391
SAN BERNARDINO	2022	HHDT	Aggregate	Aggregate	DSL	14883.97
SAN BERNARDINO	2022	HHDT	Aggregate	Aggregate	NG	1157.768
SAN BERNARDINO	2022	LHDT1	Aggregate	Aggregate	GAS	14369.53
SAN BERNARDINO	2022	LHDT1	Aggregate	Aggregate	DSL	11813.96
SAN BERNARDINO	2022	MHDT	Aggregate	Aggregate	GAS	1426.666
SAN BERNARDINO	2022	MHDT	Aggregate	Aggregate	DSL	14492.29

HHDT% GAS/NG	0.072504
HHDT% DSL	0.927496
LHDT1% GAS	0.548801
LHDT1% DSL	0.451199
MHDT% GAS	0.089621
MHDT% DSL	0.910379

APPENDIX 2.2:

RISK CALCULATIONS

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
-0.25 to 0 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
Trucks	0.01173	1.17E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.1E-06	1.29E-07	5.0E+00	1.4E-03	2.3E-03							
TOTAL								1.29E-07			2.3E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	0.25
inhalation rate (L/kg-day))	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (age third trimester	10

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
Trucks	0.01173	1.17E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.2E-05	3.13E-06	5.0E+00	1.4E-03	2.3E-03							
TOTAL								3.13E-06			2.3E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	2
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (0 to 2 years old)	10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
Trucks	0.01173	1.17E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	8.4E-06	3.80E-06	5.0E+00	1.4E-03	2.3E-03							
TOTAL								3.80E-06			2.3E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	745
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years o	3

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
Trucks	0.01173	1.17E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.8E-06	5.78E-07	5.0E+00	1.4E-03	2.3E-03							
TOTAL								5.78E-07			2.3E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System	
CNS/PNS	Central/Peripheral Nervous System	
CV/BL	Cardiovascular/Blood System	
IMMUN	Immune System	
KIDN	Kidney	
GI/LV	Gastrointestinal System/Liver	
REPRO	Reproductive System (e.g. teratogenic and developmental effects)	7.63E-06
EYES	Eye irritation and/or other effects	
		7.63

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	335
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years (	1

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
Worker Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
Trucks	0.00946	9.46E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.9E-06	7.05E-07	5.0E+00	1.4E-03	1.9E-03							
TOTAL								7.05E-07 0.70			1.9E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	250
exposure duration (years)	25
inhalation rate (L/kg-day))	290
inhalation absorption factor	1
averaging time (years)	70

Table 6
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
School Child Exposure Scenario

Source	Mass GLC		Weight	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
			Fraction		URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
Trucks	0.00319	3.19E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.2E-06	5.27E-07	5.0E+00	1.4E-03	6.4E-04							
TOTAL								5.27E-07 0.53			6.4E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	180
exposure duration (years)	10
inhalation rate (L/kg-day))	745
inhalation absorption factor	1
averaging time (years)	70
age sensitivity factor (0 to 2 years old)	3