

**Southern California
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July 2015

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**Air Quality and GHG
Analysis Technical Report**

Air Quality and GHG Analysis Technical Report

Prepared for:

Sapphos Environmental, Inc.

In Support of

Southern California Gas Company

July 2015

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List of Acronyms and Abbreviations

°F	Degrees Fahrenheit
µg/m ³	Micrograms per Cubic Meter
A	Attainment
A/Unc	Attainment/Unclassified
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ARB	Air Resources Board
AQMA	Air Quality Maintenance Area
ATCM	Airborne Toxics Control Measure
BACT	Best Available Control Technology
BLM	Bureau of Land Management
Btu	British Thermal Unit
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CH ₄	Methane
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalents
DLN	Dry low-NO _x (burner)
DPM	Diesel Particulate Matter
EF	Emission Factor
EIR	Environmental Impact Report
EPA	Environmental Protection Agency
GHG	Greenhouse gases
GWP	Global Warming Potential
H ₂ S	Hydrogen sulfide
HAP	Hazardous air pollutant
HARP	Hotspots Analysis and Reporting Program
HFC	Hydrofluorocarbons
HI	Hazard Index
HIA	Acute Hazard Index
HIC	Chronic Hazard Index
HP	Horsepower

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HRA	Health Risk Assessment
I	Interstate
IPCC	Intergovernmental Panel on Climate Change
LST	Localized Significance Threshold
LTS	Less Than Significant
LTSM	Less Than Significant with Mitigation Incorporated
MDAB	Mojave Desert Air Basin
MDAQMD	Mojave Desert Air Quality Management District
MEI	Maximally Exposed Individual
MEIR	Maximally Exposed Individual Residence
MEIW	Maximally Exposed Individual Worker
MICR	Maximum Individual Cancer Risk
MW	Megawatt
N ₂ O	Nitrous Oxide
NA	Non-attainment
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NH ₃	Ammonia
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
NSR	New Source Review
O ₂	Oxygen
OEHHA	Office of Environmental Health Hazard Assessment
OPR	Office of Planning and Research
OXCAT	Oxidation Catalyst
PAH	Polycyclic Aromatic Hydrocarbon
PM	Particulate Matter
PM ₁₀	Particulate Matter with an Aerodynamic Diameter of 10 microns
PM _{2.5}	Particulate Matter with an Aerodynamic Diameter of 2.5 microns
ppb	Parts per Billion
ppm	Parts per Million
ppmv	Parts per Million on a Volume Basis
PS	Potentially Significant
PSD	Prevention of Significant Deterioration
REL	Reference Exposure Level
ROW	Right-of-Way
SBNF	San Bernardino National Forest
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCR	Selective Catalytic Reduction
SDG&E	San Diego Gas & Electric

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SF ₆	Sulfur Hexafluoride
SHRA	Screening Health Risk Assessment
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
SoCalGas	Southern California Gas Company
SO _x	Sulfur Oxides
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
T-BACT	Best Available Control Technology for Toxics
TPY	Tons per Year
U.S.	United States
U.S.C.	United States Code
USFS	United States Forest Service
USGS	U.S. Geological Survey
VOC	Volatile Organic Compounds
VRP	Visibility Reducing Particles
WCI	Western Climate Initiative
WI	Water Injection



Air Quality and GHG Analysis Technical Report

EXECUTIVE SUMMARY

Yorke Engineering, LLC has prepared this Air Quality and GHG Analysis Technical Report to inform the environmental review process that will be undertaken by the California Public Utilities Commission and the U.S. Department of Agriculture (USDA), United States Forest Service (USFS), San Bernardino National Forest (SBNF), for the Southern California Gas Company (SoCalGas) and San Diego Gas & Electric Company (SDG&E) proposed North-South Project (Proposed Project), pursuant to the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA).

Summary of Analysis

An air quality and greenhouse gas (GHG) analysis was completed for the Proposed Project, which includes the construction of a new natural gas pipeline and modifications to a compressor station and pressure limiting station. The approximately 65-mile-long, 36-inch-diameter pipeline alignment begins at the Adelanto Compressor Station in the City of Adelanto and proceeds in a southerly direction through unincorporated San Bernardino County and the City of Victorville. The alignment then runs along Interstate 15 through the Cajon Pass and the SBNF and terminates at the Moreno Pressure Limiting Station in the City of Moreno Valley. An overview of the Proposed Project along with the air quality management district boundary is shown in Exhibit 1. Emissions occurring within the Mojave Desert Air Quality Management District (MDAQMD) portion of San Bernardino County were assessed separately from the emissions that would result from the Proposed Project components that would be located in the South Coast Air Quality Management District (SCAQMD) jurisdiction of the San Bernardino and Riverside Counties.

The following issues related to air quality and climate are addressed in this report: (1) potential impacts from construction and operations; (2) consistency with government plans and regulations at the federal, regional, air basin, sub-regional, county, and local levels; (3) potential health risks from Proposed Project emissions sources; and (4) proposed mitigation measures for any significant impacts.

Construction Impacts

Air pollutant emissions would be generated during the various activities associated with construction of the Proposed Project. Emissions related to the construction comprise criteria pollutants (CO, NO_x, VOC, SO_x, PM₁₀ and PM_{2.5}), GHGs (CO₂, CH₄, and N₂O) expressed as CO₂e, and several species of toxic air contaminants (TACs) including diesel particulate matter (DPM). For the Proposed Project, California Air Resources Board (CARB) Tier 3 engines emission levels were used for the analysis. Air pollutants were estimated for operation of construction equipment as well as fugitive dust emissions from the operation of the equipment. Air pollutants would be emitted from the engine exhaust of diesel and gasoline-fueled construction equipment and on-road vehicles (i.e., delivery trucks and worker vehicles). On-site construction activities and vehicle travel on local/access roads would also generate fugitive dust emissions. Daily emissions were calculated for each construction activity along the pipeline and at the compressor and pressure limiting station. The equipment required for pipeline construction will vary depending on the location of the construction activities (e.g., undeveloped areas versus paved roadways). Construction of the Proposed Project will be completed with crews operating

within manageable lengths called “spreads.” The Proposed Project currently anticipates four “spreads,” with each spread being composed of various construction crews with specific responsibilities in each segment of the pipeline. A summary of construction equipment, vehicle usage, and associated emission calculations is provided as Appendix B.

Potential impacts to the air quality from construction were estimated for the Mojave Desert Air Basin (MDAB) and the South Coast Air Basin (SCAB). An overview of the location of the Proposed Project along with the air quality management district boundaries are shown in Exhibit 1.

Air emissions from the Proposed Project that will occur in the MDAB were assessed for regional significance threshold exceedance and potential health risk. The MDAQMD established regional daily mass emissions CEQA significance thresholds based on total emissions (direct and indirect) for any project. Peak daily pipeline construction emissions that would take place in the MDAB were calculated and are summarized in Table E-1.

Table E-1: Peak Daily Pipeline Construction Emissions (MDAB)

Pollutant	Peak Daily Construction Emissions (lb/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Peak Daily Emission	22	311	469	1	37	22
MDAQMD Threshold	137	137	548	137	82	82
Exceeds Threshold?	No	Yes	No	No	No	No

Air emissions from the construction of the pipeline that will occur in the SCAB were assessed for regional significance threshold exceedance. The SCAQMD has also established regional daily mass emissions CEQA significance thresholds based on total project emissions. Peak daily construction emissions that would take place in the SCAB were calculated and are summarized in Table E-2.

Table E-2: Peak Daily Pipeline Construction Emissions (SCAB)

Pollutant	Peak Daily Construction Emissions (lb/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Peak Daily Emission	31	475	652	1	45	31
SCAQMD Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	Yes	Yes	No	No	No

As detailed below, construction has the potential to result in exceedances of the NO_x and CO emissions thresholds, assuming maximum projected daily construction equipment usage. During construction of the Proposed Project, emissions are expected to be lower as a result of a longer timeframe with fewer simultaneous construction activities occurring on the same day than assumed in the conservation analysis. The potentially significant impacts associated with such an exceedance will be mitigated with the development of a construction emission reduction plan and implementation of low-emission construction equipment where feasible. It is anticipated, however, that even with implementation of all feasible mitigation measures, there would be a significant and unavoidable impact related to construction NO_x and CO emissions and a potentially cumulative considerable net increase.

Pipeline construction activities within the SCAQMD were evaluated for localized impacts based on the amount of equipment that would be reasonably operated at the same time in the same location. Localized Significance Thresholds (LSTs) established by SCAQMD represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards, and are developed based on the ambient concentrations of that pollutant for a given source receptor area (SRA). The Proposed Project will occur in five SRAs within SCAQMD as shown in Exhibit 2. The LST values were estimated not to be exceeded in any of the SRAs as summarized in Table E-3. Thus, no local adverse effects are expected from the pipeline construction in SCAQMD.

Table E-3: Comparison of Daily On-Site Construction Emissions to Localized Significance Threshold (LST) Thresholds

SRA	Maximum Daily On-Site Emissions (lb/day)				LST Emission Threshold for Construction (lb/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}	NO _x	CO	PM ₁₀	PM _{2.5}
36 – West San Bernardino Mtns.	67	100	12	5	148	1,328	14	6
35 – East San Bernardino Valley ¹	45	66	5	3	148	1,205	12	5
34 – Central San Bernardino Valley	45	65	5	3	148	1,059	13	5
32 – Northwest San Bernardino Valley	126	158	9	8	334	5,691	103	32
24 – Perris Valley	45	66	5	3	148	887	12	4

Note: LST threshold based on 1-acre site and distance of 200 meters, all others are based on 50 meters to receptor.

Peak daily emissions and annual emissions from the construction of the Adelanto Compressor Station are presented in Table E-2. Pressure limiting station construction emissions, which would occur in the SCAB, were conservatively estimated to be the same as the compressor station, and results show a less than significant impact. Neither daily nor annual LST thresholds are estimated to be exceeded during the construction of the stations. Therefore, this is a less than significant project-level impact; however, it would contribute incrementally to the existing criteria pollutant non-attainment area, and thus is considered a potentially significant cumulative impact because the Adelanto Compressor Station is located in a non-attainment area.

Table E-4: CEQA Significance Thresholds Evaluation – Station Construction

Pollutant / Risk	Maximum	MDAQMD Threshold	SCAQMD Threshold	Annual	Threshold	Significance
	lbs/day	lbs/day	lbs/day	tons/yr*	tons/yr	
CO	60.9	548	550	8.0	100	LTS
NO _x	39.0	137	55	5.1	25	LTS
VOC	2.1	137	55	0.28	25	LTS
SO _x	0.1	137	150	0.01	25	LTS
Total PM ₁₀	4.4	82	150	0.57	15	LTS
Total PM _{2.5}	2.73	82	55	0.35	15	LTS
CO _{2e}	9,666	548,000	-	1,150	100,000 / 10,000**	LTS

Sources: MDAQMD 2011, CalEEMod 2013

*For shortest 18-month construction period

LTS - Less Than Significant

** GHG Threshold for SCAQMD 10,000 MT

In addition, a health risk assessment (HRA) of DPM emissions from construction activities at the compressor station and pressure limiting station were assessed due to the construction work being performed for an extended period (i.e., greater than 6 months) at a single location. The results showed cancer and non-cancer impacts below the CEQA significance thresholds for each station construction. Thus, no adverse impact is expected from the construction of the stations.

Operations Impacts

Emissions related to the operation of the upgraded Adelanto Compressor Station comprise criteria pollutants (CO, NO_x, VOC, SO_x, PM₁₀, and PM_{2.5}), greenhouse gases (CO₂, CH₄, and N₂O) expressed as CO_{2e}, and several species of TACs. Emissions were estimated for a representative design that is reflective of the highest potential emissions. Potential emissions for the Adelanto Compressor Station are shown in Table E-5, and the worst-case emissions are compared to the CEQA Significance Thresholds in Table E-6. Appendix C contains operational emissions and health risk assessment calculation spreadsheets, and Appendix D contains health risk assessment modeling outputs (AERSCREEN and HARP2).

Table E-5: Estimated Criteria Emissions Summary (PTE)

Criteria Pollutants	Emission Rates		
	lbs/hr	lbs/day	tons/yr
CO	5.1	117.2	25.3
NO _x	11.2	256.7	50.7
VOC	1.0	22.3	6.3
Transitional CO	21.2	21.2	—
Transitional NO _x	20.9	20.9	—
Transitional VOC	12.1	12.1	—
SO _x	0.2	5.9	1.1
PM ₁₀	2.5	60.0	10.9

Sources: CARB 2014b, SCAQMD 2014, EPA 2000

Table E-6: CEQA Significance Thresholds Evaluation for Project Operations

Pollutant/ Risk	Daily Emissions			Annual Emissions		
	Project Operations	Threshold	Significance	Project Operations	Threshold	Significance
	lbs/day	lbs/day		tons/yr	tons/yr	
CO	138.4	548	LTS	25.3	100	LTS
NO _x	277.6	137	PS/LTS	50.7	25	LTS
VOC	34.5	137	LTS	6.3	25	LTS
SO _x	5.9	137	LTS	1.1	25	LTS
PM ₁₀	60.0	82	LTS	10.9	15	LTS
PM _{2.5}	59.4	82	LTS	10.8	15	LTS
CO _{2e}	1,064,435	548,000	PS/LTS	194,259	100,000	PS/LTS

Sources: MDAQMD 2011, SCAQMD 2006

Notes: LTS - Less Than Significant or Less Than Significant with offsets/allowances implemented per regulatory requirements (i.e., NSR, Cap-and-Trade)

PS - Potentially Significant

Although the potential NO_x emissions from the operation of the Adelanto Compressor Station exceed the daily and annual emissions thresholds, the total potential NO_x emissions will be fully offset by acquiring NO_x emissions offsets pursuant to MDAQMD Regulation XIII – New Source Review, Rules 1302, 1303, 1305, 1310, and 1320, resulting in no net increase in NO_x emissions. Thus, this is a less than significant impact.

As shown, annual CO_{2e} emissions could exceed the 100,000 short tons per year significance threshold adopted by the MDAQMD in 2011. The mitigation for GHG from the Proposed Project operation focus is to operate the gas turbine compressor units as efficiently as possible in order to minimize GHG emissions. In addition, actual emissions of CO_{2e} may be offset via participation in the California Greenhouse Gas Cap-and-Trade Program, which applies an aggregate greenhouse gas allowance budget on covered entities—such as natural gas pipeline compressor stations—and provides a trading mechanism for compliance instruments. The implementation of such allowances to the Proposed Project would result in no net increase in GHG emissions on a statewide basis, thus lowering impacts to less than significant.

A Tier 2 screening health risk assessment (SHRA) was performed for emissions of TACs in gas turbine exhaust for a 30-year compressor station operational period. Estimated TAC emissions were modeled as a merged 40-foot-tall stack, 6 feet in diameter, using AERSCREEN and local parameters (MDAQMD 2011, SCAQMD 2015). The nearest residential, worker, and school receptors were identified using publicly available satellite imagery. Cancer risks and acute and chronic hazard indices are estimated to be well below thresholds for the nearest residents, workers, and schools. Further, due to the very low (trace) sulfur content of pipeline natural gas (PNG), Proposed Project operation would not be anticipated to result in any odor complaints and odor-related impacts.

The annual emissions for NO_x during construction would potentially exceed their General Conformity applicability thresholds. Therefore, the Proposed Project would require a formal conformity determination as per the federal Clean Air Act (CAA) General Conformity Rule.

1.0 INTRODUCTION

SoCalGas and SDG&E (the Applicants) are proposing to construct the Proposed Project to maintain reliability and alleviate the potential for curtailments of customers served by a portion of the Applicants' transmission system, known as the "Southern System," due to a potential discrepancy between customer demand and the volume of flowing supplies delivered to the Southern System to meet that demand.

The Proposed Project will be subject to environmental review pursuant to NEPA and CEQA. The USFS will serve as Lead Agency, pursuant to NEPA. The California Public Utilities Commission will serve as the Lead Agency, pursuant to CEQA. This report provides an evaluation of the potential air quality issues associated with the Proposed Project, describing the existing air quality and climate conditions within the air basins that would be affected by the construction and operation of the Proposed Project. This report also outlines applicable regulations, plans, and standards for ambient air quality and GHG emissions and identifies potential impacts, both temporary and permanent, to air quality and climate.

The following issues related to air quality and climate are addressed in this report: (1) potential impacts from construction and operations; (2) consistency with government plans and regulations at the federal, regional, air basin, sub-regional, county, and local levels; (3) potential health risks from Proposed Project emissions sources; and (4) proposed mitigation measures for any potential significant impacts.

1.1 Project Description

The primary components of the Proposed Project include the construction and installation of a 36-inch-diameter natural gas transmission pipeline and the upgrade of the Adelanto Compressor Station. The pipeline will be primarily constructed and installed within existing public and private rights-of-way (ROW). The Proposed Project also includes the installation of pressure-limiting equipment at the Moreno, Whitewater, and Shaver Summit Pressure Limiting Stations and upgrades to the existing pressure-limiting equipment at the Desert Center Compressor Station.

The approximate 65-mile-long Proposed Project alignment begins at the Adelanto Compressor Station in the City of Adelanto and proceeds in a southerly direction through unincorporated San Bernardino County and the City of Victorville. The alignment then runs along Interstate (I) 15 through the Cajon Pass and the SBNF and terminates at the Moreno Pressure Limiting Station in the City of Moreno Valley. The Proposed Project alignment is depicted in Exhibit 1, which shows the pipeline will be located in the MDAB and SCAB.

1.1.1 Topography and Climate

The topography and climate for the project area influence the air quality of the region. Meteorological conditions govern the movement of air from emission sources to receptors. Meteorological conditions also have an effect on the formation of ozone, and rain affects airborne dust. The Proposed Project would be developed in arid regions of Southern California where regional mountains in these trap warm air. Additionally, low wind speeds and high temperatures in the region prevent vertical mixing, resulting in a poor air quality. Temperatures in the area of the Proposed Project vary by location and season.

1.1.1.1 Mojave Desert Air Basin

The MDAQMD covers the MDAB. The MDAB currently has relatively few industrial sources locally, but is impacted by the transport of emissions from Southern and central California. The MDAB is an assemblage of mountain ranges interspersed with long broad valleys that often contain dry lakes. Many of the lower mountains that dot the vast terrain rise from 1,000 to 4,000 feet (ft.) above the valley floor. Prevailing winds in the MDAB are out of the west and southwest. These prevailing winds are due to the proximity of the MDAB to coastal and central regions and the blocking nature of the Sierra Nevada Mountains to the north. Air masses pushed onshore in Southern California by differential heating are channeled through the MDAB. The MDAB is separated from the Southern California coastal and central California valley regions by mountains (the highest elevation is approximately 10,000 feet), whose passes form the main channels for these air masses. The Antelope Valley is bordered in the northwest by the Tehachapi Mountains, separated from the Sierra Nevada Mountains in the north by the Tehachapi Pass (3,800 ft. elevation). The Antelope Valley is bordered in the south by the San Gabriel Mountains, bisected by Soledad Canyon (3,300 ft.). The Mojave Desert is bordered in the southwest by the San Bernardino Mountains, separated from the San Gabriel Mountains by the Cajon Pass (4,200 ft.). A lesser channel lies between the San Bernardino Mountains and the Little San Bernardino Mountains (the Morongo Valley).

The Palo Verde Valley portion of the Mojave Desert lies in the low desert at the eastern end of a series of valleys (notably the Coachella Valley) whose primary channel is the San Gorgonio Pass (2,300 ft.) between the San Bernardino and San Jacinto Mountains.

During the summer, the MDAB is generally influenced by a Pacific Subtropical High cell that sits off the coast, inhibiting cloud formation and encouraging daytime solar heating. The MDAB is rarely influenced by cold air masses moving south from Canada and Alaska, as these frontal systems are weak and diffuse by the time they reach the desert. Most desert moisture arrives from infrequent warm, moist, and unstable air masses from the south. The MDAB averages between 3 to 7 inches of precipitation per year (from 16 to 30 days with at least 0.01 inches of precipitation). The MDAB is classified as a dry-hot desert climate, with portions classified as dry-very hot desert, to indicate that at least three months have maximum average temperatures over 100.4° Fahrenheit (MDAQMD 2009).

1.1.1.2 South Coast Air Basin

The SCAB covers an area of 6,745 square miles. The SCAB includes Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The SCAB is a coastal plain with connecting broad valleys and is bounded to the north and east by mountains with elevations exceeding 10,000 ft. Climate within the SCAB is arid with virtually no rainfall and abundant sunshine during the summer months. It experiences temperature inversions—increasing temperature with increasing altitude—and light winds, which limit the vertical and horizontal dispersion of air pollutants. The combination of poor dispersion and abundant sunshine results in conditions especially favorable to the formation of photochemical smog. Strong, dry north or northeasterly winds, also known as Santa Ana winds, occur during the fall and winter seasons, helping to disperse air contaminants.

1.2 Regulatory Authority and Regulations

The Proposed Project pipeline alignment traverses developed and undeveloped lands in San Bernardino and Riverside Counties. Thus, the Proposed Project area is located within both the SCAB and the MDAB. Air quality management in these basins falls under the jurisdiction of the SCAQMD and the MDAQMD. Approximately 13 miles of the 65-mile pipeline alignment crosses through the SBNF administered by the USFS. The Proposed Project pipeline alignment traverses lands within the jurisdiction of incorporated communities including the City of Adelanto, City of Victorville, City of San Bernardino, City of Highland, City of Colton, and City of Loma Linda. A summary of air quality management jurisdictions for the Proposed Project is presented in Table 1-1.

Air pollutants originate from a wide variety of human-made and natural sources. Air pollution can directly impact the health of human beings, animals, and plants; reduce visibility; and cause distress to structures and buildings. Air pollution can also potentially contribute to climate change.

Regional meteorological conditions can influence the transport and dispersion of air pollutants that affect air quality. Regional wind patterns move pollutants between air basins and locations. Pollutants such as ozone and particulate matter (PM), as well as their precursors, can be transported across air basin boundaries. The existing climate, ambient air quality, and sensitive receptors in the vicinity of the Proposed Project are described in the following sections.

Emissions limitations are imposed upon sources of air pollutants by rules and regulations promulgated by the federal, state, or local agencies. Mobile sources of air pollutants and exhaust from off-road equipment are managed by federal and State agencies through emission performance standards and fuel formulation requirements. Portable sources and temporary activities that cause emissions of air contaminants may also be managed through federal, State, and local programs. This section summarizes the applicable regulations related to the Proposed Project.

Table 1-1: Air Quality Management Jurisdictions for the Proposed Project

Facility and Pipeline Segments	County	Affected Jurisdiction	Air Quality Authority	Segment Length (miles) ^a	Nearest Air Monitoring Sites
Adelanto Compressor Station to the San Bernardino National Forest Boundary (MP 0.0 to 14.0)	San Bernardino County	City of Adelanto; City of Victorville; Unincorporated San Bernardino County	MDAQMD	14.0	Victorville - 14306 Park Avenue
San Bernardino National Forest ^b (MP 14.0 to MP 20.7)		U.S. Forest Service; Unincorporated San Bernardino County ^c		6.7	Fontana – Arrow Highway
San Bernardino National Forest ^b (MP 20.7 to MP 27.0)	San Bernardino County	U.S. Forest Service; Unincorporated San Bernardino County ^c	SCAQMD	6.3	Fontana – Arrow Highway
San Bernardino National Forest Boundary to San Bernardino / Riverside County Line (MP 27.0 – MP 51.3)		Unincorporated San Bernardino County; City of San Bernardino; City of Highland; City of Colton; City of Loma Linda		24.3	Fontana – Arrow Highway
San Bernardino / Riverside County Line to Moreno Pressure Limiting Station (MP 51.3 – MP 65.0)	Riverside County	City of Moreno Valley; Unincorporated Riverside County		13.7	Riverside – Rubidoux

Notes:

- Miles are approximate and rounded to the nearest tenth of a mile.
- Segment 2 covers the 13.0-mile portion of the Proposed Project located within the administrative boundary of the San Bernardino National Forest (SBNF), which includes unincorporated territory of San Bernardino County.
- Within unincorporated San Bernardino County, the limits of the SBNF extend approximately 13 miles; however, due to private holdings within the SBNF, only 10.2 miles are under the jurisdiction of the U.S. Forest Service

1.2.1 Federal Regulations

The United States Environmental Protection Agency (EPA) implements and enforces the requirements of most federal environmental laws. EPA Region 9 administers federal air programs in California. The Clean Air Act (CAA), as amended in 1990, provides the EPA with the legal authority to regulate air pollution from stationary and mobile sources. The EPA has authority over conformity issues in areas that do not meet federal air quality standards, and the Federal Land Managers have review authority over any new projects that may affect federal Class I areas, as defined in Code of Federal Regulations (CFR) Title 40 Part 51.166.

1.2.1.1 40 CFR 51 Subpart W and 40 CFR Part 93 Subpart B: General Conformity

The General Conformity Rule requires federal agencies to ensure that actions taken by those agencies conform to the applicable State Implementation Plan (SIP). General Conformity regulations apply only to direct and/or indirect emissions caused by the actions that occur in areas designated as non-attainment or maintenance areas with respect to National Ambient Air Quality Standards (NAAQS). If the applicable emissions exceed the de minimis thresholds outlined in the General Conformity Rule, then the federal agency would prepare a General Conformity Determination for public comment. The General Conformity Determination would outline the methodology by which proposed emissions would conform to the SIP, such as:

- Emissions are specifically identified and accounted for in the SIP; or
- Emissions are fully offset or a similarly enforceable measure creates emissions reductions so that there is no net increase in emissions.

1.2.1.2 Greenhouse Gas under the Clean Air Act: Public Health and Welfare

Section 202(a)(1) of the CAA requires the Administrator of the EPA to establish standards, “applicable to the emission of any *air pollutant* from... which in [her] judgment *cause, or contribute* to, air pollution which may reasonably be anticipated to *endanger* public health or welfare.” On December 15, 2009, EPA Administrator Lisa P. Jackson found that under section 202(a) of the CAA, six greenhouse gases in the atmosphere—CO₂, CH₄, N₂O, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride—may reasonably be anticipated to endanger both public health and public welfare. GHG emissions from the largest stationary sources, for the first time, were covered by the Prevention of Significant Deterioration (PSD) and Title V Operating Permit Programs that began January 2, 2011. Under these permitting programs, new sources of emission are required to use the Best Available Control Technology (BACT) for any nonattainment pollutant. BACT determinations are decided at the State and project-specific level.

1.2.1.3 San Bernardino National Forest Land Management Plan

The San Bernardino National Forest Land Management Plan (USDA 2005) includes the following two air quality strategies: Air 1, Minimize Smoke and Dust; and Air 2, Forest Air Emissions. Air 1 is applicable to the Proposed Project. It requires the control and reduction of smoke and fugitive dust to protect human health, improve safety, and reduce

or eliminate environmental impacts. Air 1 proposes to incorporate visibility requirements into project plans and use emission reduction techniques.

1.2.2 State Rules and Regulations

1.2.2.1 California Health and Safety Code §41700

The California Health and Safety Code prohibits the discharge of air pollutants that cause injury, detriment, nuisance, or annoyance to the public. The air quality management districts (e.g., SCAQMD, MDAQMD, etc.) implement this requirement.

1.2.2.2 California Clean Air Act, California Health and Safety Code § 2300 et seq.

The California CAA of 1988 provides for air quality planning and regulation independent of federal regulations. CARB is the state's lead air quality agency and adopts standards for the California Ambient Air Quality Standards (CAAQS), some of which are more stringent than NAAQS. CARB is responsible for the attainment and maintenance of NAAQS and CAAQS, oversees the operation of local air quality districts, and is responsible for motor vehicle air pollution control. CARB also assists the individual air districts with air quality monitoring and planning activities, such as performing air pollutant emission inventories and air quality modeling.

Under delegation from the EPA, CARB and the individual air districts have the primary authority for managing air quality in California.

1.2.2.3 CARB Off-Road Mobile Sources Emissions Reduction Program

The California CAA mandates that CARB achieves the maximum degree of emission reductions from all off-road mobile sources in order to attain the CAAQS. Off-road mobile sources include construction equipment. Tier 1 standards for large compression-ignition engines used in off-road mobile sources went into effect in California in 1996 and required construction equipment of model year 2000 and later to achieve nitrogen oxide (NO_x), volatile organic compound (VOC), carbon monoxide (CO), and PM₁₀ exhaust standards. For later model years Tier 2 (2003 and later) and Tier 3 (2007 and later), the standards are increasingly stringent. CARB also implements an Airborne Toxics Control Measure (ATCM) to reduce DPM emissions and NO_x from new and in-use (existing) off-road diesel equipment throughout California. Owners and operators of new and in-use off-road diesel equipment and vehicles need to meet fleet emission targets beginning in 2010.

The CARB rules help to ensure that relatively low-emitting equipment will be used for construction equipment. The rules for in-use off-road diesel vehicles (California Code of Regulations [CCR] Title 12, Chapter 9, Article 4.8, § 2449, et seq.) also include idling limits.

1.2.2.4 California Global Solutions Act – Assembly Bill 32

In 2006, California enacted the California Global Warming Solutions Act of 2006 (Assembly Bill [AB] 32). AB 32 mandates that the state report and verify its GHG emissions in order to reduce GHG emissions statewide to 1990 levels by the year 2020. To facilitate this, CARB is required to adopt a statewide emissions limit, adopt regulations to reduce the amount of GHG emissions, and monitor compliance. CARB is

the lead agency for implementing AB 32, which set the major milestones for establishing the program. CARB met the first milestones in 2007 by developing a list of discrete early actions to begin reducing GHG emissions, assembling an inventory of historic emissions, establishing GHG emission reporting requirements, and setting the 2020 emissions limit.

Although CO₂ is the largest contributor to climate change, AB 32 references five additional GHGs: methane (CH₄), nitrous oxide (N₂O), sulfur hexafluoride (SF₆), hydrofluorocarbons (HFCs), and perfluorocarbons. Key elements of California's recommendations for reducing its GHG emissions to 1990 levels by 2020 include issues such as:

- Targets for transportation-related GHG emission reductions 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 Low Carbon Fuel Standard;
- Targeted fees on high Global Warming Potential (GWP) gases;
- Additional measures to address emissions from industrial sources that would regulate fugitive emissions from oil and gas recovery and transmission activities; and
- A high GWP mitigation fee, which is anticipated to promote the development of alternatives to GWP chemicals and improvement in recycling and removal of these substances when older units containing them are dismantled.

Statewide emissions of GHG are summarized in Table 1-2. Emissions of CO₂ occur largely from combustion of fossil fuels. The major categories of fossil fuels combustion CO₂ sources can be broken into sectors for residential, commercial, industrial, transportation, and electricity generation. The transportation sector includes all motor gasoline and diesel fuel combustion, and the GHG emissions of this sector are not split into activities or uses (i.e., there is no separate estimate for the level of GHG emissions caused by gasoline or diesel fuel combustion-related to construction activities). Other GHG emissions such as CH₄ and N₂O are also tracked by state inventories but occur in much smaller quantities.

Table 1-2: California Greenhouse Gas Emissions

Emission Inventory Category	Greenhouse Gas Emissions (million metric tons CO ₂ e)						
	2006	2007	2008	2009	2010	2011	2012
Electricity Generation (In State)	50.05	54.31	54.5	53.45	46.87	41.34	51.18
Electricity Generation (Imports)	54.76	59.89	65.91	48.13	43.67	46.94	44.15
Transportation	192.12	192.29	181.27	174.89	174.02	171.69	171.01
Industrial	99.65	96.72	97.51	95.2	99.33	99.69	100.67
Commercial	17.35	17.92	18.47	19.76	21.1	21.75	22.02
Residential	30.61	30.78	31.22	30.96	32.12	32.99	31.59
Agriculture & Forestry	37.75	37.03	37.99	35.84	35.73	36.34	37.86
Not Specified	0.22	0.22	0.23	0.21	0.22	0.21	0.21
Total	482.52	489.16	487.1	458.44	453.06	450.94	458.68

Sources: CARB 2014

Notes: CO₂e = CO₂ equivalent

AB 32 establishes a comprehensive program of regulatory and market mechanisms to achieve real, quantifiable, and cost-effective reductions of GHGs. It also makes CARB responsible for monitoring and reducing GHG emissions and continues the existing Climate Action Team to coordinate statewide efforts.

The Climate Change Scoping Plan is the roadmap to reach the GHG reduction goals required in AB 32. This plan calls for an ambitious but achievable reduction in the state's carbon footprint by reducing GHG emissions to 1990 levels, which means cutting approximately 30 percent from business-as-usual emission levels projected for 2020, or about 15 percent from today's levels (CARB 2010). CARB approved the First Update to the Climate Change Scoping Plan in May of 2014.

Several regional and local climate plans and GHG reduction initiatives have been under development under CARB's guidance. In addition to these programs, California is involved in the WCI, a multi-state and international effort to establish a cap-and-trade market to reduce GHG emissions in the western United States. WCI adopted a goal of an aggregate reduction of 15 percent below 2005 GHG levels by 2020. The MDAQMD is a voluntary participant in the California Climate Action Registry GHG Inventory Certification and has been named a Climate Action Leader for four consecutive years.

The SCAQMD, also a member of the California Climate Action Registry, has established a set of rules for Climate Change (Regulation XXVII), including the Southern California Climate Solutions Exchange (Rule 2701) and the Greenhouse Gas Reduction Program (Rule 2702).

1.2.2.5 California Senate Bill 97

Senate Bill 97 required the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit guidelines for the feasible mitigation of GHG emissions or

their effects, including but not limited to effects associated with transportation and energy consumption. The bill also required the OPR to develop draft CEQA guidelines “for the mitigation of greenhouse gas emissions or the effects of greenhouse gas emissions.” Amendments to the state CEQA Guidelines for GHG became effective on March 18, 2010. Some of the most important sections of the CEQA Guidelines amendments are:

- Section 15064: The amendments require a lead agency to make a “good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate the amount of greenhouse gas emissions resulting from a project.” The agency may use a quantitative or qualitative analysis (§ 15064.4(a)). This is a change from the originally proposed amendments, which omitted the reference to “scientific or factual data.” The guidelines provide a list of factors to be considered in assessing the significance of the impact from GHG emissions, including increases or reductions in GHGs caused by the project; the applicable significance thresholds; and the project’s compliance with local, regional, or statewide GHG reduction plans (§ 15064.4(b)).
- Section 15093: The statement of overriding considerations may consider the region-wide or statewide environmental benefits.
- Section 15125: An Environmental Impact Report (EIR) must discuss any inconsistencies between the proposed project and regional blueprint plans and plans for GHG emission reductions.
- Section 15126.4: Mitigation measures may include measures in an existing plan or mitigation program, implementation of project features, and off-site measures, including offsets or GHG sequestration. Mitigation in a plan may include project-specific mitigation.
- Section 15183: Projects may tier from programmatic-level GHG emissions analysis and mitigation. Section 15183 details what a GHG Emission Reduction Plan should contain. A later project may use the plan for its cumulative impacts analysis.
- Appendix G: “Greenhouse gases” was added to the list of categories.

1.2.3 Local Rules and Regulations

Two local air quality management districts will be the primary enforcement agencies for the protection of air quality in the Proposed Project area. These districts are the MDAQMD and SCAQMD. The potentially applicable air quality rules and regulations that are enforced by each district are summarized below.

1.2.3.1 Mojave Desert Air Quality Management District

Activities of the Proposed Project in the desert portion of San Bernardino County would be subject to MDAQMD rules and regulations. The applicable rules are listed below.

1.2.3.1.1 Rule 221 – Federal Operating Permit Requirement

1.2.3.1.2 Rule 402 – Nuisance

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause injury, or damage to business or property.

1.2.3.1.3 Rule 403 – Fugitive Dust

A person shall not cause or allow the emissions of fugitive dust from any transport, handling, construction, or storage activity so that the presence of such dust remains visible in the atmosphere beyond the property line of the emission source (does not apply to emissions emanating from unpaved roadways open to public travel or farm roads). This exclusion shall not apply to industrial or commercial facilities.

1.2.3.1.4 Rule 403.2 – Fugitive Dust Control for the Mojave Desert Planning Area

This rule aims to ensure that the NAAQS for PM₁₀ will not be exceeded due to anthropogenic sources of fugitive dust within the Mojave Desert Planning Area and to implement the control measures contained in the Mojave Desert Planning Area Federal PM₁₀ Attainment Plan. This rule is applicable to construction/demolition activities, heavily traveled publicly maintained unpaved roads, weed suppression activities.

1.2.3.1.5 Rule 406 – Specific Contaminants

This rule prohibits the discharge of sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), in excess of 500 parts per million (ppm) by volume. This rule potentially applies to the combustion turbines used to power the proposed compressors.

1.2.3.1.6 Rule 409 – Combustion Contaminants

This rule prohibits the discharge from the burning of fuel and combustion contaminants (i.e., PM₁₀) exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of CO₂ at standard conditions averaged over a minimum of 25 consecutive minutes. This rule potentially applies to the combustion turbines used to power the proposed compressors.

1.2.3.1.7 Rule 431 – Sulfur Content of Fuels

This rule prohibits the combustion of any gaseous fuel containing sulfur compounds in excess of 800 ppm calculated as hydrogen sulfide at standard conditions, or any liquid or solid fuel having a sulfur content in excess of 0.5 percent by weight. This rule potentially applies to the combustion turbines used to power the proposed compressors.

1.2.3.1.8 Rule 1159 – Stationary Gas Turbines

The purpose of this rule is to limit the NO_x emissions from commercial, industrial, and institutional Stationary Gas Turbines. This rule applies to any new or existing non-utility, commercial, industrial, or institutional Stationary Gas Turbine of 0.3 megawatt (MW)

and larger unless the equipment is exempt from this rule pursuant to Section (D) of this rule.

The rule limits NO_x emissions based on fuel and turbine capacity. The NO_x emission limits relevant to the Proposed Project would be 5 ppm at 15% oxygen (O₂) for turbines fired on gaseous fuel that are greater than 10 MW and are equipped with DLN and SCR, and 35 ppm at 15% O₂ for turbines fired on gaseous fuel that are smaller than 10 MW and equipped with SCR. The current design of the Adelanto Compressor Station will incorporate BACT which will result in a NO_x emission concentration of 8 ppm in exceedance of the requirements of this rule.

1.2.3.1.9 Regulation XIII – New Source Review

The purpose of this Regulation is to:

- Set forth the requirements for the preconstruction review of all new or modified Facilities;
- Ensure that the Construction or Modification of Facilities subject to this Regulation does not interfere with the attainment and maintenance of Ambient Air Quality Standards (AAQS);
- Ensure that there is no net increase in the emissions of any Non-Attainment Air Pollutants from new or modified Major Facilities which emit or have the Potential to Emit any Non-Attainment Air Pollutant in an amount greater than or equal to the amounts set forth in District Rule 1303(B)(1); and
- Ensure that the Construction or Modification of Facilities subject to this Regulation comply with the preconstruction review requirements for Toxic Air Contaminants (TACs) set forth in District Rule 1320.

The provisions of this Regulation apply to any new or modified Facility or Emissions Unit which requires a permit pursuant to the provisions of District Regulation II.

Regulation XIII contains administrative sections that define terms, set forth administrative procedures for application processing, and set forth emission calculation procedures. The specific requirements of this regulation are further described below for Rules 1303, 1305, 1310, and 1320.

1.2.3.1.10 Rule 1303, Requirements,

This Rule establishes the requirement to:

- Apply Best Available Control Technology (BACT) to any new or modified source that has the potential to emit 25 pounds per day, or more, of a non-attainment pollutant, or facility that has the potential to emit 25 tons per year, or more, of a non-attainment pollutant.
- Provide offsets for new or modified source emitting in excess of 25 tons per year of NO_x, SO_x or VOC, in excess of 15 tons per year of PM₁₀, or in excess of 100 tons per year of carbon monoxide (CO).

BACT and offsets will be required for the operation of the Adelanto Compressor Station.

1.2.3.1.11 Rule 1305 – Federal Major Facilities and Federal Major Modifications

This Rule provides the procedures and formulas to determine the eligibility of, calculate the amount of, and determine the use of Offsets required pursuant to the provisions of District Rule 1303(B).

1.2.3.1.12 Rule 1310 – Federal Major Facilities and Federal Major Modifications

The purpose of this Rule is to set forth the additional requirements and procedures for Federal Major Modifications and Presumptive Federal Major Modifications, in addition to setting forth the requirements and procedures for the implementation of Plant Wide Applicability Limits. The provisions of this Rule apply to any Federal Major Modification, any Presumptive Federal Major Modification, and any Federal Major Facility that requests a Plant Wide Applicability Limit.

This rule establishes the emission thresholds that would trigger a major modification and sets forth the administrative procedures that must be followed for the permit application process. The Proposed Project is expected to require a modification of the compressor station's Title V permit.

1.2.3.1.13 Rule 1320 – New Source Review for Toxic Air Contaminants

The purpose of this Rule is to:

- Set forth the requirements for preconstruction review of all new, Modified, Relocated, or Reconstructed Facilities which emit or have the potential to emit any Hazardous Air Pollutant, Toxic Air Contaminant, or Regulated Toxic Substance;
- Ensure that any new, Modified, or Relocated Emissions Unit is required to control the emissions of Toxic Air Contaminants as required pursuant to Chapter 3.5 of Part 1 of Division 26 of the California Health and Safety Code (commencing with §39650); and
- Ensure that any proposed new or Reconstructed Facility or Emissions Unit is required to control the emissions of Hazardous Air Pollutants as required under 42 U.S.C. §7412(g).

A permit application will be denied if the cancer burden exceeds 0.5 in the population exposed to a cancer risk exceeding 1-in-a-million. The rule provides for best available control technology for toxics (T-BACT) and public notice under specific circumstances.

1.2.3.1.14 Rule 2002 General Federal Actions Conformity

The purpose of this rule is to implement section 176(c) of the Federal CAA § 176(c) (42 U.S.C. § 7506(c)) and regulations under 40 CFR 51, Subpart W, with respect to the conformity of general Federal actions to the applicable implementation plan. This rule sets forth policy, criteria, and procedures for demonstrating and assuring conformity of such actions to the applicable implementation plan. The rule applies to projects that the Federal Government engages in, supports in any way or provides financial assistance for, licenses or permits, or approves any activity which does not conform to an applicable implementation plan.

An action required to have a conformity determination pursuant to this rule for a specific pollutant will be determined to conform to the applicable implementation plan if, for each pollutant that exceeds the rates listed in the rule, or otherwise requires a conformity determination due to the total of direct and indirect emissions from the action, the action meets the following general requirements:

- The total of direct and indirect emissions from the action is in compliance or consistent with all relevant requirements and milestones contained in the applicable implementation plans, such as elements identified as part of the reasonable further progress schedules, assumptions specified in the attainment or maintenance demonstration, prohibitions, numerical emission limits, and work practice requirements, and one of the following:
 - For any criteria pollutant, the total of direct and indirect emissions from the action are specifically identified and accounted for in the applicable implementation plan's attainment or maintenance demonstration; or
 - For ozone or nitrogen dioxide, the total of direct and indirect emissions from the action are fully offset within the same non-attainment or maintenance area; or
 - For any criteria pollutant, except ozone and nitrogen dioxide, the total of direct and indirect emissions from the action do not cause or contribute to any new violation of any standard in any area or increase the frequency or severity of any existing violation of any standard in any area, based on area-wide air quality modeling analysis and local air quality modeling analysis; or
 - For CO or PM₁₀, where the MDAQMD determines that an area-wide air quality modeling analysis is appropriate and that a local air quality modeling analysis is not needed, the total of direct and indirect emissions from the action do not cause or contribute to any new violation of any standard in any area or increase the frequency or severity of any existing violation of any standard in any area.

1.2.3.2 South Coast Air Quality Management District

Activities of the Proposed Project in Riverside County and the non-desert portions of San Bernardino County would be subject to SCAQMD rules and regulations. Applicable regulations are listed in the following subsections.

1.2.3.2.1 Rule 403 – Fugitive Dust

The purpose of this rule is 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, reduce, or mitigate fugitive dust emissions.

This rule limits the visible dust emissions from construction sites, prohibits emissions that can cause a public nuisance, and requires the prevention and reduction of fugitive dust emissions. Additionally, depending on the location and size of the construction site(s), fugitive dust control plan(s) may be required to be submitted to the SCAQMD for approval before initiating construction. The fugitive dust rules include measures that aim

to reduce fugitive dust emissions from specific dust causing activities. These measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers, and/or ceasing all activities (such as during periods of high winds).

1.2.4 Air Quality Standards

Air quality is regulated by federal, state, and local agencies. Pursuant to the federal CAA, the EPA has established NAAQS for seven primary criteria air pollutants. Primary standards set limits to protect public health, including the health of “sensitive” populations such as asthmatics, children, and the elderly. Secondary standards set limits to protect public welfare, including protection against decreased visibility, damage to animals, crops, vegetation, and buildings (EPA 2014a). The seven primary criteria air pollutants for which NAAQS have been promulgated are:

- Nitrogen dioxide (NO₂);
- SO₂;
- Particulate matter with diameters less than or equal to 10 microns (PM₁₀)
- Particulate matter with diameters less than or equal to 2.5 microns (PM_{2.5});
- CO;
- Ozone; and
- Lead.

Ozone is not emitted directly from emission sources but is created at near-ground level by a chemical reaction between NO_x and VOCs in the presence of sunlight. As a result, NO_x and VOC are referred to as ozone precursors and are regulated as a means to prevent ground-level ozone formation. Criteria air pollutant descriptions and health effects are summarized in Table 1-3.

NEPA air quality analysis considers three regulatory thresholds:

- General Conformity applicability thresholds, which vary because the Proposed Project traverses areas with varying attainment status.
- Prevention of Significant Deterioration (PSD) permit applicability thresholds, which for this Proposed Project is 250 tons per year per pollutant for the criteria pollutants. This regulatory threshold only applies to project operation and only applies to direct project emissions, and does not apply to secondary emissions, such as fugitive dust emissions.
- Air quality impacts in exceedance of the NAAQS.

If the Proposed Project were to exceed either of the first two of these regulatory thresholds, then there could potentially be direct, adverse impacts which would require a further refined impact and mitigation analysis in order to demonstrate that no impacts would occur based on the potential to cause exceedances of the NAAQS.

California has established additional and/or more stringent ambient air quality standards (compared to Federal NAAQS) for some of these criteria pollutants, as well as ambient air quality standards for sulfates, hydrogen sulfide (H₂S), vinyl chloride, and visibility-reducing particles. Federal NAAQS and CAAQS are summarized in Table 1-4.

Table 1-3: Major Criteria Air Pollutant Descriptions and Health Effects

Pollutant	Description and Health Effects
NO ₂	NO ₂ emissions are primarily generated from the combustion of fuels. Health effects include: <ul style="list-style-type: none"> ▪ Risk of acute and chronic respiratory disease.
SO ₂	SO ₂ is produced when any sulfur-containing fuel is burned. Natural gas contains trace amounts of sulfur, while fuel oils contain much larger amounts. Health effects include: <ul style="list-style-type: none"> ▪ Aggravation of respiratory disease; ▪ Reduced lung function; and ▪ Eye irritation.
PM ₁₀ and PM _{2.5}	Particulates in the air are caused by a combination of wind-blown fugitive or road dust particles and from fuel combustion in motor vehicles and industrial sources, residential and agricultural burning, and from the reaction of NO _x , SO _x , and organics. Health effects include: <ul style="list-style-type: none"> ▪ Aggravation of respiratory disease; ▪ Reduced lung function; ▪ Cough irritation; and ▪ Lung irritation.
CO	CO is a product of incomplete combustion, principally from automobiles and other mobile sources of pollution. Industrial combustion sources, wood-burning stoves, and fireplaces can also be measurable contributors. Health effects include: <ul style="list-style-type: none"> ▪ Impairment of oxygen transport in the bloodstream; ▪ Aggravation of cardiovascular disease; ▪ Impairment of the central nervous system; ▪ Fatigue, headache, confusion, and dizziness; and ▪ Death at high levels of exposure.
Ozone	High ozone levels result from VOC and NO _x emissions from vehicles and industrial sources, in combination with daytime wind flow patterns, mountain barriers, a persistent temperature inversion, and intense sunlight. Health effects include: <ul style="list-style-type: none"> ▪ Aggravation of respiratory and cardiovascular diseases; ▪ Impairment of cardiopulmonary function; and ▪ Eye irritation.
Lead	Lead gasoline additives, non-ferrous smelters, and battery plants were historically significant contributors to atmospheric lead emissions. Legislation has since reduced lead emissions. Health effects include: <ul style="list-style-type: none"> ▪ Impairment of central nervous system.
VOC	VOC is a portion of total organic compounds or gases, excluding CH ₄ , ethane, and acetone (due to low photochemical reactivity). These compounds are regionally important due to their involvement in the photochemical reaction that produces ozone. Some VOCs are also hazardous air pollutants. Health effects include: <ul style="list-style-type: none"> ▪ Impairment of central nervous system; ▪ Eye, nose, and throat irritation; and ▪ Fatigue, headache, confusion, and dizziness.

Source: CARB 2009a

Table 1-4: Ambient Air Quality Standards

Pollutant	Averaging Time	CAAQS ^(1,3)	NAAQS ⁽²⁾	
			Primary ^(3,4)	Secondary ^(3,4)
Ozone	1-hour	0.09 ppm (180 µg/m ³)	-- ⁽⁵⁾	Same as primary
	8-hour	0.07 ppm (137 µg/m ³)	0.075 ppm ⁽⁴⁾ (147 µg/m ³)	Same as primary
PM ₁₀ ⁽⁶⁾	24-hour	50 µg/m ³	150 µg/m ³ ⁽⁶⁾	Same as primary
	Annual	20 µg/m ³	--	--
PM _{2.5} ⁽⁶⁾	24-hour ⁽³⁾	--	35 µg/m ³ ⁽⁷⁾	Same as primary
	Annual	12 µg/m ³	12.0 µg/m ³ ⁽⁸⁾	15 µg/m ³ ⁽⁸⁾
CO	8-hour	9 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	--
	1-hour	20 ppm (23 µg/m ³)	35 ppm (40 mg/m ³)	--
NO ₂ ⁽⁷⁾	Annual	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)	Same as primary
	1-hour	0.18 ppm (339 µg/m ³)	0.10 ppm ⁽⁹⁾ (189 µg/m ³)	Same as primary
SO ₂ ⁽⁸⁾	Annual	--	0.03 ppm (80 µg/m ³)	--
	24-hour	0.04 ppm (105 µg/m ³)	0.14 ppm (365 µg/m ³)	--
	3-hour	--	--	0.50 ppm (1,300 µg/m ³)
	1-hour	0.25 ppm (655 µg/m ³)	0.075 ppm ⁽¹⁰⁾ (196 µg/m ³)	--
Lead ^(9,10)	30-day	1.5 µg/m ³	--	Same as primary
	Quarterly	---	1.5 µg/m ³	Same as primary
	3-month	---	0.15 µg/m ³ ⁽¹¹⁾	Same as primary
Sulfates	24-hour	25 µg/m ³	No National Standards	
H ₂ S	1-hour	0.03 ppm (42 µg/m ³)		
Visibility Reducing Particles ⁽¹¹⁾	8-hour	See Note 11		
Vinyl Chloride ⁽⁹⁾	24-hour	0.01 ppm (26 µg/m ³)		

Source: CARB 2013a

Notes:

ppm = parts per million
 µg/m³ = micrograms per cubic meter
 VRP = Visibility Reducing Particles

- (1) California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM₁₀, PM_{2.5}, 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 3 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 µg/m³ is equal to or less than one. For PM_{2.5}, the 24-hour standard is

attained when 98 percent of the daily concentrations, averaged over 3 years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

- (3) Concentration is expressed first in the 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) National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- (5) National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- (6) On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
- (7) 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 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of 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.
- (8) On June 2, 2010, a new 1-hour SO₂ 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 SO₂ 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 non-attainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
- (9) Note that the 1-hour national standard is in units of ppb. California standards are in units of 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.
- (10) The Air Resources Board (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.
- (11) The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated non-attainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
- (12) 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.

In general, an area is designated as an attainment area if the concentration of a specific air contaminant does not exceed the ambient standards. Likewise, an area is designated as a non-attainment area for an air contaminant if the related standard is violated. Where not enough ambient data is available to support designation as either attainment or non-attainment, the area is designated as unclassified. An unclassified area is normally treated as an attainment area for regulatory purposes. An area formerly non-attainment for a specific pollutant that has demonstrated attainment is designated a maintenance area for that pollutant. An area could be attainment for one air contaminant while non-attainment for another, or attainment for the federal standard, and non-attainment with the CAAQS for the same air contaminant.

1.2.5 Ambient Air Quality

A network of ambient air quality monitoring stations has been established by EPA and state and local agencies to measure and track the ambient concentrations of criteria pollutants. A summary of the available background air quality concentrations in the regions surrounding the Proposed Project area in 2013 is presented in Table 1-5.

Table 1-5: Regional Background Air Quality Concentrations in the Proposed Project Area

Location	Air Quality Measurements ⁽¹⁾										
	PM ₁₀ ₃ (µg/m ³)		PM _{2.5} (µg/m ³)		SO ₂ ⁽⁴⁾ (ppm)	CO (ppm)		NO ₂ (ppm)		Ozone (ppm)	
	Annual	24-hr Average	Annual	24-hr ⁽²⁾	24-hr	8-hr	1-hr	Annual	1-hr	State 8-hr ⁽³⁾	State 1-hr
Victorville- 14306 Park Avenue	N/A	70.6	Insuff	Insuff	0.002	Insuff	N/A	15	70	0.095	0.11
Fontana- Arrow Highway	38.8	86.0	12.3	33.1	0.001	Insuff	Insuff	21	80	0.112	0.14
Riverside- Rubidoux	34.6	199.2	17.1	34.6	Insuff	Insuff	N/A	Insuff	60	0.115	0.13

Source: CARB 2015b

Notes:

µg/m³ = microgram per cubic meter

ppm = parts per million

Insuff = Insufficient data

N/A = Data not available at this monitoring station

(1) Data for 2013. Except where noted, short-term concentrations listed are on the highest concentrations measured using the State averaging methodology.

(2) The 24-hour concentration listed is the 98th percentile measurement.

(3) Based on the 8-hr State Design Value.

(4) Data not available for SO₂ annual, 3-hr, and 1-hr standards.

High temperature and sunlight typical of summer days throughout the Proposed Project area are prime conditions for ground-level ozone formation. Inversions are characteristic of stagnant air masses during winter months and can prevail for several days. If ozone precursors are present during these periods, high ozone levels may result in source areas or areas downwind. Particulate matter concentration may also increase during these conditions. Natural emission sources in the Proposed Project area are dust from windstorms and wildfires, which can cause spikes in PM levels.

Nonattainment of federal and state air quality standards for ozone, PM, and CO has occurred historically in the Proposed Project area. Although substantial progress has been made towards controlling these pollutants, nonattainment of ambient air quality standards for ozone and particulate matter is persistent in Southern California. A summary of the air quality designations and the attainment status within the Proposed Project area is described below and summarized in Table 1-6.

Table 1-6: Attainment Status within the Proposed Project Area

Pollutant	SCAB		MDAB	
	NAAQS	CAAQS	NAAQS	CAAQS
NO ₂	A/Unc	A	A/Unc	A
CO	A	A	A	A
Ozone	NA	NA	NA	NA
PM ₁₀	A	NA	NA	NA
PM _{2.5}	NA	NA	A/Unc	NA, AQMA
SO ₂	A	A	A/Unc	A
Lead	A	A	A	A
Sulfates	--	A	--	A
H ₂ S	--	A/Unc	--	A/Unc
Vinyl Chloride	--	A/Unc	--	A/Unc
Visibility Reducing Particles	--	A/Unc	--	A/Unc

Source: CARB 2013b

Notes:

- A = attainment
- A/Unc = attainment and/or unclassifiable area
- NA = non-attainment area
- AQMA = Air Quality Maintenance Area

1.2.5.1 Mojave Desert Air Basin

With respect to NAAQS, the MDAB is considered attainment/unclassified for all air pollutants, except PM₁₀ and ozone. The portion of western San Bernardino County within the Western Mojave Desert Ozone Non-attainment Area is designated as moderate nonattainment for the ozone NAAQS (all other portions of the basin are considered unclassified/attainment for the ozone NAAQS). All parts of San Bernardino County in the MDAB are also designated moderate non-attainment for the PM₁₀ NAAQS.

With respect to CAAQS, the MDAB is considered attainment/unclassified for CO, H₂S, lead, NO₂, SO₂, sulfate, and visibility reducing particles. All parts of San Bernardino County within the MDAB are designated non-attainment for the ozone and PM₁₀ CAAQS. The southwestern portion of San Bernardino County in the Western Mojave Desert Ozone Non-attainment Area is also designated as nonattainment for the PM_{2.5} CAAQS. All other portions of the basin are considered unclassified/attainment for the PM_{2.5} CAAQS.

1.2.5.2 Mojave Desert Air Basin Attainment Plans

The MDAQMD has developed air quality attainment plans to achieve attainment with the NAAQS and CAAQS within MDAB. There have been a series of plans developed over the years. Table 1-7 lists the most recent plans relevant to the Proposed Project.

Table 1-7: MDAQMD Attainment Plans

Name of Plan	Date of Adoption	Standard(s)	Targeted	Applicable Area Pollutant(s)	Targeted Attainment Date*
Mojave Desert Planning Area Federal Particulate Matter Attainment Plan	31-Jul-95	Federal daily and annual PM ₁₀	Mojave Desert Planning Area	PM ₁₀	2000
Triennial Revision to the 1991 Air Quality Attainment Plan	22-Jan-96	State one hour ozone	Entire District	NO _x and VOC	2005
2004 Ozone Attainment Plan (State and Federal)	26-Apr-04	Federal one hour ozone	Entire District	NO _x and VOC	2007
Federal 8-Hour Ozone Attainment Plan (Western Mojave Desert Non-attainment Area)	9-Jun-08	Federal eight hour ozone (84 ppb)	Western Mojave Desert Nonattainment Area (MDAQMD portion)	NO _x and VOC	2021

*Note: A historical attainment date given in an attainment plan does not necessarily mean that the affected area has been re-designated to attainment.

Reference: Table 2 – MDAQMD Attainment Plans, CEQA Guidelines, 2009

The Proposed Project will require air permits for many of the stationary sources including the proposed turbines for the Adelanto compressor station upgrade. The MDAQMD will ensure that the Proposed Project meets rule requirements through the permit application review process and by placing operating conditions on any permits issued for the Proposed Project. Compliance with the rules and permit conditions will ensure that the Proposed Project is consistent with the adopted air quality plans and, therefore, would have no adverse air quality impact.

1.2.5.3 South Coast Air Basin

Activities of the Proposed Project in the SCAB would occur within San Bernardino and Riverside Counties.

The Basin experiences air pollution challenges that are a consequence of the combination of emissions from the nation's second largest urban area, mountainous terrain surrounding the Basin that traps pollutants as they are pushed inland with the sea breeze, and meteorological conditions that are adverse to the dispersion of those emissions. The average wind speed for Los Angeles is the lowest of the nation's ten largest urban areas. In addition, the summertime daily maximum mixing heights (an index of how well pollutants can be dispersed vertically in the atmosphere) in Southern California are the lowest, on average, in the U.S., due to strong temperature inversions in the lower atmosphere that effectively trap pollutants near the surface. The Southern California area is also an area with abundant sunshine, which drives the photochemical reactions which form pollutants such as ozone and a significant portion of PM_{2.5}.

In the Basin, high concentrations of ozone are normally recorded during the late spring and summer months, when more intense sunlight drives enhanced photochemical reactions. In contrast, higher concentrations of carbon monoxide are generally recorded in late fall and winter, when nighttime radiation inversions trap the emissions at the surface. High PM₁₀ and PM_{2.5} concentrations can occur throughout the year, but occur most frequently in fall and winter in the Basin. Although there are changes in emissions by season, the observed variations in pollutant concentrations are largely a result of seasonal differences in weather conditions (SCAQMD 2013).

The SCAQMD describes the air quality in the SCAB as follows:

Air pollution controls have had a positive impact on the Basin's air quality relative to the now-revoked 1979 federal 1-hour ozone standard. The number of days where the Basin exceeded the federal 1-hour ozone standard has continually declined over the years. However, while the number of days exceeding the federal 1-hour ozone standard has dropped since the 1990s, the rate of progress has slowed since 2000. The Basin experienced ozone levels over the revoked federal 1-hour ozone standard on seven days in 2010, the original attainment year for the revoked 1-hour ozone standard, and the maximum recorded value exceeded the standard by nearly 20 percent.

Although past controls were primarily designed to address the federal 1-hour ozone and the PM₁₀ standards, they also benefited by the more recent efforts to attain the 8-hour ozone and the PM_{2.5} standards. The 8-hour ozone levels have been reduced by half over the past 20 years, nitrogen dioxide and sulfur dioxide standards have been met, and other criteria pollutant concentrations have significantly declined. The federal and state CO

standards were also met as of the end of 2002. The Basin has met the PM₁₀ standards at all stations and has requested a redesignation to attainment status. However, the Basin still experiences substantial exceedances of the 8-hour ozone standards and nominal exceedances of the PM_{2.5} standards (SCAQMD 2013).

With respect to CAAQS, the SCAB is designated as attainment/unclassified for NO₂, CO, H₂S, lead, SO₂, sulfate, vinyl chloride, and visibility reducing particles; and non-attainment for ozone, PM₁₀, and PM_{2.5}.

1.2.5.4 SCAQMD Attainment Plans

The SCAQMD has developed an Air Quality Management Plan (AQMP) in conjunction with CARB, the Southern California Association of Governments (SCAG), and the EPA.

This AQMP is designed to meet applicable federal and state requirements, including attainment of ambient air quality standards. The focus of the Final 2012 AQMP is to demonstrate attainment of the federal 2006 24-hour PM_{2.5} ambient air quality standard by the 2014 attainment date, as well as an update to further define measures to meet the federal and state 8-hour ozone standards. The attainment demonstration for the new 8-hour ozone standard (75 parts per billion [ppb]) will be addressed in the 2015 ozone plan.

2.0 METHODS

This section addresses the requirement and methodology used in the estimating the potential impacts of the Proposed Project to address both NEPA and CEQA evaluation requirements.

2.1 NEPA Requirements for Analyses of Air Quality and Greenhouse Gases

2.1.1 Air Quality Analysis

Based on the scope of the Proposed Project and the affected environment in which the Proposed Project would be implemented, the following potential impacts to air quality have been identified for evaluation under the NEPA:

- Whether the Proposed Project is likely to conform with applicable federal, State, and local air quality laws, ordinances, regulations, and standards; and
- Whether the Proposed Project is likely to cause new violations of ambient air quality standards or contribute substantially to existing violations of those standards.

The evaluation includes a determination of the need for a formal conformity determination under the CAA General Conformity Rule.

Construction emissions were estimated using the California Emissions Estimator Model (CalEEMod™ 2013), public domain software developed by the California Air Pollution Control Officers Association (CAPCOA) in collaboration with the SCAQMD and other California air districts specifically for land use development projects. CalEEMod™ provides air basin-specific emissions estimates of air pollutants generated from the use of diesel-powered off-road equipment and on-road vehicles, as well as paving and painting. Estimated construction emissions include criteria pollutants from fuel combustion (VOCs, NO_x, CO, SO_x, PM₁₀, and PM_{2.5}), fugitive dust (PM₁₀ and PM_{2.5}), and DPM. Off-site concentrations were modeled for the construction phase with the highest (worst-case) emissions as determined by CalEEMod™.

Stationary source operational emissions were estimated on a maximum potential-to-emit (PTE) basis using representative gas turbine performance data, applicable criteria pollutant BACT limits (EPA 2000, CARB 2014b, SCAQMD 2014, SCAQMD 2006, SCAQMD 2004), regulatory GHG emission factors (40 CFR 98), and TAC emission factors for gas turbines (EPA 2000), as briefly summarized below:

An emission factor (EF) is a representative value (coefficient) that relates the quantity of a pollutant released to the atmosphere with an activity (process) associated with the release of that pollutant. Emission factors are usually expressed as the mass of pollutant divided by a unit mass, volume, or duration of the activity emitting the pollutant (e.g., pounds of NO_x emitted per million British thermal units [BTUs] of natural gas burned in a turbine or boiler) and facilitate calculation of emissions from various sources of air pollution. In most cases, published EFs are simply averages of all available data of acceptable quality and are generally assumed to be representative of long-term averages for all facilities in the applicable source category (i.e., a population average).

The general equation for an emissions estimation is:

$$E = R \times EF \times (1 - CE/100)$$

Where:

E = Emissions

R = Activity or process rate

EF = Emission factor

CE = Overall emission control efficiency (%)

Source-specific BACT values for CO, NO_x, VOC, and ammonia (NH₃) were calculated based on chemical properties of the pollutant (e.g., molecular weight, density, etc.) and applied physical principals (molar volumes, fuel type, combustion characteristics, etc.). In common applications, BACT for simple-cycle gas turbines is either water injection (WI) or DLN combustors in conjunction with SCR for NO_x control and oxidation catalyst (OXCAT) for CO, VOC, and TAC control.

Criteria pollutant and ammonia slip emission factors were based on the following (parts per million on a volume basis [ppmv] expressed at 15 percent oxygen in gas turbine exhaust):

- CO – BACT for gas compression (6 ppmv) & vendor specification (25 ppmv);
- NO_x – BACT for gas compression (8 ppmv) & vendor specification (15 ppmv);
- VOC – BACT for gas compression (2 ppmv) & vendor specification (25 ppmv);
- SO_x – 4 ppmv sulfur in pipeline natural gas (CPUC specification);
- PM₁₀ & PM_{2.5} – AP-42 Table 3.1-2a (EPA 2000) & SCAQMD 2006;
- PM₁₀ as sulfates – SCAQMD 2004 (5% conversion);
- Ammonia (as NH₃ slip) – BACT (SCR byproduct); and
- Regulatory GHG emission factors were based on the following:
 - CO₂ – 40 CFR 98 Table C-1;
 - CH₄ – 40 CFR 98 Table C-2;
 - N₂O – 40 CFR 98 Table C-2; and
 - Carbon dioxide equivalents (CO₂e) – 40 CFR 98 Table A-1.

Except for ammonia slip (above), emission factors for the following TACs were all obtained from AP-42 Table 3.1-3 (EPA 2000, as adopted by the SCAQMD and MDAQMD for gas turbines):

- Acetaldehyde;
- Acrolein;
- Benzene;
- 1, 3-Butadiene;

- Ethylbenzene;
- Formaldehyde;
- Naphthalene;
- Polycyclic Aromatic Hydrocarbons (PAHs) (excluding Naphthalene);
- Propylene oxide;
- Toluene; and
- Xylene.

2.1.2 Greenhouse Gases Analysis

The Council on Environmental Quality (CEQ) issued updated draft guidance to federal agencies on December 18, 2014, regarding GHG emissions. The guidance states that in an agency's analysis of direct effects of GHG emissions, it would be appropriate to quantify cumulative emissions over the life of the project; discuss measures to reduce emissions, including consideration of reasonable alternatives; and qualitatively discuss the link between such emissions and climate change. In this guidance, the CEQ recommends that if a proposed action would be reasonably anticipated to cause direct emissions of 25,000 metric tons or more of CO₂e GHG emissions on an annual basis, agencies should consider this an indicator that a quantitative and qualitative assessment may be meaningful to decision makers and the public. The guidance also states that it is not currently useful for the NEPA analysis to attempt to link specific climatological changes to a particular project or emissions, as direct linkage is difficult to isolate and to understand.

2.2 CEQA Requirements for Analysis of Air Quality, Related Health Risk, and Greenhouse Gas Emissions

2.2.1 Air Quality

Under CEQA, the significance of impacts resulting from construction, operation, and decommissioning of the Proposed Project are evaluated using significance criteria provided in the checklist in Appendix G of the State CEQA Guidelines. With respect to air quality, the relevant CEQA significance criteria provided in Section III of the checklist are based on whether the Proposed Project would:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Violate any air quality standard or contribute substantially to an existing or projected air quality violation;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the region of the Proposed Project is nonattainment under an applicable federal or state ambient air quality standard. This includes the release of emissions that exceed quantitative thresholds for ozone precursors;
- Expose sensitive receptors to substantial pollutant concentrations; or
- Create objectionable odors affecting a substantial number of people.

SCAQMD and MDAQMD have established emissions thresholds to evaluate air quality impact significance. SCAQMD mass-based significance thresholds are presented in Table 2-1.

Table 2-1: SCAQMD Emissions Significance Thresholds

Threshold Category	Pollutant	Construction	Operations
Mass Daily Thresholds	NO _x	100 pounds per day (lbs/day)	55 lbs/day
	VOC	75 lbs/day	55 lbs/day
	CO	550 lbs/day	550 lbs/day
	PM ₁₀	150 lbs/day	150 lbs/day
	PM _{2.5}	55 lbs/day	55 lbs/day
	Lead	3 lbs/day	3 lbs/day
	SO _x	150 lbs/day	150 lbs/day
TAC and Odor Thresholds	TACs (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk: 10 in 1 million; Cancer Burden < 0.5 excess cancer cases (in areas that are > 1 in 1 million cancer risk); Hazard Index < 1.0 (projected increments)	
	Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Ambient Air Quality Standards	NO ₂ ⁽¹⁾	0.18 ppm (1-hour average) 0.03 ppm (annual average)	
	PM ₁₀	10.4 µg/m ³ (24-hour average) 1 µg/m ³ (annual average)	2.5 µg/m ³ (24-hour average); 1 µg/m ³ (annual average)
	PM _{2.5}	10.4 µg/m ³ (24-hour average)	2.5 µg/m ³ (24-hour average)
	Sulfate	1 µg/m ³ (24-hour average)	
	CO ⁽¹⁾	20 ppm (1-hour average) 9.0 ppm (8-hour average)	

Source: SCAQMD 2009

Notes:

TAC = toxic air contaminant

(1) SCAQMD is in attainment. The Proposed Project is significant if it causes or contributes to an exceedance of attainment standards.

The SCAQMD developed its Localized Significance Threshold (LST) Methodology (SCAQMD 2008b), which was applied in a screening format to this assessment. LST is a tool for lead agencies to use in analyzing localized (i.e., neighborhood scale) impacts of CO, NO_x, PM_{2.5}, or PM₁₀ associated with project-specific mass emissions (SCAQMD 2008b). LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor.

In theme with LST, screening-level air dispersion modeling was performed using AERSCREEN for assessing ambient air quality impacts in the vicinity of the Proposed Project and the results were compared with California and national ambient air quality standards (CAAQS, NAAQS) as local significance thresholds (CARB 2013a). Results of the screening air dispersion modeling were added to five-year ambient data (average maxima) from the nearest air monitoring station (i.e., Victorville) to determine the local significance of the Proposed Project impacts pursuant to CEQA (CARB 2015a, 2015b). This screening procedure also determines preliminary compliance with state and federal AAQS and other regulatory requirements, such as New Source Review (NSR) and PSD.

For the Proposed Project, only pipeline elements would be constructed in the SCAQMD. At a given location, the daily disturbed acreage is expected to be 1 acre or less based on the area disturbed by each spread (details in Appendix B). Given that the Proposed Project pipeline alignment traverses both rural and urban areas, receptors may be as close as 25 meters on a daily basis. Based on these criteria, the mass-daily emission thresholds for each LST pollutant for each Source Receptor Area along the Proposed Project pipeline alignment are shown in Table 2-2.

Table 2-2: SCAQMD Localized Significance Thresholds

Source Receptor Area	NO _x (lb/day)	CO (lb/day)	PM ₁₀ (lb/day)	PM _{2.5} (lb/day)
Metropolitan Riverside County	118	602	4	3
Northwest San Bernardino Valley	118	863	5	4
Southwest San Bernardino Valley	118	863	5	4
Central San Bernardino Valley	118	667	4	3
West San Bernardino Mountains	118	863	5	3

Source: SCAQMD 2008b

MDAQMD significance thresholds are as follows:

- Generates total emissions (direct and indirect) in excess of the thresholds listed in Table 2-3; and/or
- Generates a violation of any ambient air quality standard when added to the local background; and/or
- Does not conform with the applicable attainment or maintenance plan(s); and/or

- Exposes sensitive receptors to substantial pollutant concentrations, including those resulting in a cancer risk greater than or equal to 10 in a million and/or a Hazard Index (HI) (non-cancerous) greater than or equal to 1.

Table 2-3: MDAQMD Emission Significance Thresholds

Air Pollutant	Annual Threshold (tons)	Daily Threshold (lbs)
CO	100	548
NO _x	25	137
VOCs	25	137
SO _x	25	137
PM ₁₀	15	82
PM _{2.5}	15	82
H ₂ S	10	54
Lead	0.6	3

Source: MDAQMD 2009

Notes:

Emission thresholds are given as daily and annual values so that multi-phased projects with phases shorter than one year can be compared to the daily value.

tpy = tons per year

2.2.2 Health Risk

Chemical substances in ambient air that potentially pose risks to human health include byproducts from the combustion of natural gas in the combustion turbines and combustion of diesel fuel in the construction equipment. For this report, the term “chemical substances” refers to chemical substances in ambient air that are regulated by either the EPA and/or the State of California. The California Office of Environmental Health Hazard Assessment (OEHHA) and the CARB use the term TAC, which currently includes over 244 chemical substances. The EPA uses the term Hazardous Air Pollutants (HAPs), and has currently identified 188 substances as HAPs, all of which are presently included in California’s list of TACs.

California has not established State-wide significance thresholds for cancer and non-cancer health risk impacts under CEQA. However, most air districts in California have adopted local significance thresholds for health risks in their policy guidance to project proponents.

State and local regulations have also developed cancer risk levels above which a project is considered to have a potential significant impact on public health. For the Adelanto Compressor Station, the MDAQMD has established cancer risk significance thresholds for permitting new stationary sources. MDAQMD Rule 1320 allows for an incremental risk of between 1 in a million (1×10^{-6}) and 10 in a million (1×10^{-5}), provided T-BACT is employed.

Similar to cancer risk, non-cancer impacts also have determined significance thresholds based on the estimated HI for the project. The MDAQMD Rule 1320 considers an incremental HI of less than 1.0 to be an insignificant health risk.

When discussing and evaluating health impacts, the following definitions apply:

Cancer Risk. Cancer risk is the probability or chance of contracting cancer over a human life span, which is assumed to be 70 years. Carcinogens are not assumed to have a threshold below which there would be no human health impact. In other words, any exposure to a carcinogen is assumed to have some probability of causing cancer; the lower the exposure, the lower the cancer risk (i.e., a linear, no-threshold model). In assessing public health impacts, cancer risk is the expected incremental increase in cancer cases based on an equally exposed population of individuals, typically expressed as cases per million individuals.

Non-Cancer Risk. Non-cancer health effects can be either chronic or acute. In determining potential non-cancer health risks (chronic and acute) from air toxics, it is assumed that there is a dose of the chemical of concern below which there would be no impact on human health. The air concentration corresponding to this dose is called the reference exposure level (REL). Non-cancer health risks are measured in terms of an HI, which is the calculated exposure of each contaminant divided by its REL. HIs for those pollutants affecting the same target organ are typically summed, with the resulting totals expressed as hazard indices for each organ system. Non-cancer risks fall into two categories:

- Chronic toxicity is defined as adverse health effects from prolonged chemical exposure, caused by chemicals accumulating in the body. Because chemical accumulation to toxic levels typically occurs slowly, symptoms of chronic effects usually do not appear until long after exposure commences. The lowest no-effect chronic exposure level for a non-cancer air toxic is the chronic REL. Below this threshold, the body is capable of eliminating or detoxifying the chemical rapidly enough to prevent its accumulation.
- Acute toxicity is defined as adverse health effects caused by a short-term chemical exposure of no more than 24 hours. For most chemicals, the multi-pathway exposure required to produce acute effects is higher than levels required to cause chronic effects because the duration of exposure is shorter. Because acute toxicity is predominantly manifested in the upper respiratory system at threshold exposures, all hazard indices are typically summed to calculate the total acute hazard index. Model-predicted one-hour average concentrations are divided by acute RELs to obtain a hazard index for health effects caused by relatively high, short-term exposure to air toxics.

Ambient air quality standards have not been established for TACs. However, federal, state, and local regulations and guidelines have been established to reduce their release to the atmosphere.

Background health risk impacts are not generally available for all areas in California. However, the SCAQMD has been conducting long-term monitoring for a small number of TACs at various monitoring stations throughout the SCAB, and using the monitored

concentrations to predict health risk impacts. The SCAQMD found that “the results indicate that diesel exhaust is the major contributor to air toxics risk, accounting on average for about 84% of the total” (SCAQMD 2008a).

2.2.2.1 Compressor and Pressure Limiting Station Health Risk Methodology

The existing Adelanto Compressor Station located in the southwest portion of the MDAB in the City of Adelanto will be upgraded to add capacity. The construction period is expected to last 18 months. Therefore, an HRA was performed for the construction phase of the compressor station element of the Proposed Project for a maximum period of 2 years. An HRA was also conducted for characterize the health risk impacts from the long-term operation of the compressor station. Emissions from operation of the compressor station will be locally regulated by the MDAQMD.

Terrain located around the immediate Adelanto Compressor Station is generally flat. Population density in the area immediately around the proposed compressor station site is sparse and dispersed. To evaluate public health within this area, individual exposure points are identified where residences, workers, or a sensitive population may be located. Sensitive receptors are defined as groups of individuals that may be more susceptible to health risks due to TAC exposure. Residences, schools, day care centers, playgrounds, and medical facilities are considered sensitive receptor land uses. The MDAQMD requires that the health risk impacts from a project be evaluated for any sensitive receptor located within 1,000 feet of an industrial facility. There are no sensitive receptors meeting this criteria:

- There are day care centers approximately 12,000 feet northeast and southeast of the Proposed Project site;
- There are homes (residences) approximately 11,400 feet south-southeast and 6,300 feet north-northeast of the Proposed Project site;
- The nearest schools are Adelanto High School (9-12) located approximately 8,400 feet south-southeast of the Proposed Project site and George Visual & Performing Arts Magnet Middle School (K-8) located approximately 10,000 feet northeast of the Proposed Project site; and
- The nearest hospital is over 42,000 feet east of the Proposed Project site.

Since there are no sensitive receptors within 1,000 feet of the compressor station, the nearest residential and school receptors were assessed for risks, along with the nearest worker receptor located about 800 feet north of the site.

Recently adopted guidelines for conducting health risk assessments for short-term emissions, such as those from construction activities, were used to evaluate potential health risk impacts for construction of the Adelanto Compressor Station. The HRA used air dispersion modeling to develop TAC ground-level concentration estimates and calculate potential cancer and non-cancer impact. These estimated impacts were compared to MDAQMD CEQA significance thresholds. Construction emissions used in the HRA were based on emissions of DPM from diesel-fueled construction equipment combustion exhaust as estimated using CalEEMod for station construction activities. For the compressor station construction SHRA modeling, DPM from diesel-fueled off-road

construction equipment was the only TAC evaluated since it is a risk-driver, i.e., dominates risks from other pollutants. Health risk impacts were evaluated for cancer risk and the non-cancer chronic health impacts. Because DPM does not contribute to a non-cancer acute health hazard impact, this was not evaluated.

Diesel particulate emissions from diesel-fueled off-road equipment used for construction at the Moreno Valley Pressure Limiting Station were assumed to be the same as those estimated for the Adelanto Compressor Station, because the same equipment inventory was assumed for each activity. As a result, the estimated health risk impacts are also considered the same. The SCAQMD has adopted the same CEQA significance thresholds as the MDAQMD.

A Tier 2 SHRA was performed for emissions of DPM, expressed as PM₁₀ in diesel engine exhaust, for the maximum 2-year compressor station construction period. Consistent with Screening Procedures for Estimating the Air Quality Impact of Stationary Sources (EPA 1992), CalEEMod and EPA's AERSCREEN dispersion model (EPA 2011) were used in conjunction CARB's Hotspots Analysis and Reporting Program Version 2 (HARP2) Risk Assessment Standalone Tool (RAST) (CARB 2015c). For the 3.21-acre site, estimated DPM emissions were modeled as a 114-meter-square by 5-meter-tall volume source using AERSCREEN and local parameters (MDAQMD 2011, SCAQMD 2015). The nearest residential, worker, and school receptors were identified using publicly available satellite imagery. Ground level concentration (GLCs) calculated by AERSCREEN at the receptors were input into the HARP2 program to determine MICR and chronic hazard indices HIC.

A Tier 2 SHRA was performed for emissions of TACs in gas turbine exhaust for a 30-year compressor station operational period. Consistent with Screening Procedures for Estimating the Air Quality Impact of Stationary Sources (EPA 1992), calculated PTE and EPA's AERSCREEN dispersion model (EPA 2011) were used in conjunction with CARB's Hotspots Analysis and Reporting Program (HARP) 2 program (CARB 2015c). Estimated TAC emissions were modeled as a merged 40-foot-tall stack, 6 feet in diameter, using AERSCREEN and local parameters (MDAQMD 2011, SCAQMD 2015). The nearest residential, worker, and school receptors were identified using publicly available satellite imagery. GLCs calculated by AERSCREEN at the receptors were input into the HARP2 program to determine Maximum Individual Cancer Risks (MICRs), chronic hazard indices (HICs), and acute hazard indices (HIA).

2.2.2.2 Pipeline Construction Health Risk Methodology

The proposed pipeline is 65 miles in length. The northernmost approximately one-half of the Proposed Project pipeline alignment passes through sparsely populated areas San Bernardino County and the SBNF. The southern approximately one-half of the Proposed Project pipeline alignment traverses more densely populated urban areas including the Cities of San Bernardino, Colton, Loma Linda, and Moreno Valley. Pipeline construction is expected to take approximately 15 months to complete; however, the duration of construction activities in a single location is expected to be relatively brief. Thus, any receptors along the Proposed Project pipeline alignment would not be exposed to emissions from construction activities for more than a few weeks.

Pursuant to the 2015 OEHHA guidance, “[D]ue to the uncertainty in assessing cancer risk from very short-term exposures, we do not recommend assessing cancer risk for projects lasting less than two months at the MEIR (maximally exposed individual residence)” (OEHHA 2015). Similar guidance is provided for the maximally exposed individual worker (MEIW). Thus, health impacts from pipeline construction are not evaluated in this report.

2.2.3 Greenhouse Gases

Under CEQA, the significance of impacts resulting from construction and operation of the Proposed Project are evaluated using significance criteria provided in the checklist in Appendix G of the California Environmental Handbook. With respect to GHG emissions, the relevant CEQA significance criteria provided in Section VII of the checklist are based on whether the Proposed Project would:

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

In October 2008, CARB published recommended approaches for setting interim significance thresholds for GHG under CEQA for industrial, residential, and commercial projects (CARB 2008b). For industrial projects, CARB has derived an interim threshold of 7,000 metric tons of CO₂e per year for operational GHG emissions and performance standards for GHG emissions associated with construction and transportation activities.

SCAQMD adopted a proposal for interim CEQA GHG significance thresholds that includes a tiered approach for assessing the significance of GHG emissions from a project. For the purposes of determining whether or not GHG emissions from projects are significant, SCAQMD recommends calculation of project GHG emissions including direct, indirect, and, to the extent information is available, life cycle emissions during construction and operation. Under Tier 3 of SCAQMD guidelines, construction emissions would be amortized over the life of the Proposed Project, defined as 30 years, added to the operation emissions, and then compared to the applicable interim GHG significance threshold of 10,000 metric tons of CO₂e per year.

The three most common GHGs, carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O), are byproducts of fossil fuel combustion. The potential heat-trapping ability of different GHGs in the atmosphere varies significantly. To account for these differences in warming effect, GHGs are defined by their GWP. Under the EPA-recommended methodology, the GWP of CO₂ is set to 1, the GWP of CH₄ is 21, and the GWP of N₂O is 310. Carbon dioxide equivalents (CO₂e) are calculated as the product of the mass GHG emissions multiplied by the respective GWP coefficients (EPA 2014b).

3.0 RESULTS

This section identifies and evaluates air quality impacts from the construction and operational phases of the Proposed Project. The construction emissions are calculated separately for the pipeline and the compressor and pressure limiting stations. Operating emissions are limited to the operations associated with the compressor station since the emissions from operations are dominated by the emissions related to the operation of the upgraded Adelanto Compressor Station. The emissions were estimated for a representative compressor station rated at 36,000 peak brake horsepower.

The analysis includes an impact determination to satisfy CEQA. When significant impacts under CEQA occur, mitigation measures are proposed. All emissions are reported in pounds per day (lbs/day) for comparison with air agency regional and localized CEQA significance thresholds.

3.1 Impact AQ-1: Construction Air Quality Impacts

The construction emissions were analyzed for the pipeline construction, as well as the Adelanto Compressor Station and the Moreno Pressure Limiting Station. For each construction activity, maximum daily emissions were estimated, and then an assessment of the impact on each air district was completed, as presented in the following sections.

3.1.1 Pipeline Construction Emissions

Air pollutant emissions would be generated during the various activities associated with construction of the Proposed Project. Air pollutants would be emitted from the engine exhaust of diesel and gasoline-fueled construction equipment and on-road vehicles (i.e., delivery trucks and worker vehicles). On-site construction activities and vehicle travel on local/access roads would also generate fugitive dust emissions. Daily emissions were calculated for each construction activity. Emissions occurring within the Mojave Desert portion of San Bernardino County were assessed separately from the emissions that would result from the Proposed Project components that would be located in the SCAQMD jurisdiction of the San Bernardino and Riverside Counties.

3.1.1.1 Pipeline Construction Activities

Emissions modeling was performed with equipment inventories that represented the typical steps in the constructions process, as follows:

- Access roads and equipment/work staging area grading;
- Ditching/trenching;
- Pipe stringing;
- Lowering of pipe sections and welding;
- Coating of pipe and welds; and
- Backfilling, compaction, and paving (where necessary).

The equipment required for pipeline construction will vary depending on the location of the construction activities. For example, pipeline construction activities within paved roadways would require pavement breaking, plating, and other activities that would not be required in undeveloped areas. Conversely, pipeline construction in undisturbed areas

may include more earth moving equipment depending on topography and proximity to sensitive environmental resources.

Air emission estimates were developed using an equipment inventory based on whether the pipeline being constructed was using an off-road or street equipment mix. Off-road equipment represents pipeline construction in rural and unpaved areas. The off-road equipment inventory includes equipment, such as bulldozers and graders, which would be used during pipeline construction in unpaved areas. The street equipment inventory represents pipeline construction in paved areas.

Construction of the Proposed Project will be broken into manageable lengths called “spreads.” The Proposed Project currently anticipates four “spreads,” with each spread being composed of various construction crews with specific responsibilities. For the purpose of construction emissions modeling, the spread segments were refined where necessary to account for discontinuous construction (non-concurrence of activities), crew construction schedule, and different air basins within a spread. This resulted in a total of eight construction modeling simulations using CalEEMod based on schedule and construction crews. The CalEEMod modeling performed for each construction spread is summarized in Table 3-1.

Table 3-1: CalEEMod Air Emission Modeling by Spread

Spread	Description	Air District	Equipment Inventory	Duration (months)
1	Koala To Baldy Mesa (MP 0.0- MP 12.0)	MDAQMD	Off-Road	7
2a	National Forest (MP 12.0 – MP 20.7)	MDAQMD	Off-Road	5
2b	National Forest (MP 20.7 – MP 22.2)	SCAQMD	Off-Road	5
3	Route 66 (MP 22.2 – MP 32.0)	SCAQMD	Street	10
4	So Gardena St to Kendall (MP 32.0 – MP 45.0)	SCAQMD	Street	13
5a	Reche Canyon No. 1 (MP 49.0 – MP 55.8)	SCAQMD	Street	11
5b	Reche Canyon No. 2 (MP 45.0 – MP 49.0)	SCAQMD	Street	2
6	Moreno (MP 55.8 – MP 65.1)	SCAQMD	Street	5

The logistics of the construction crew activity is such that the emissions from each spread will be distributed across a length of between 2 and 15 miles of the pipeline route. As one crew completes its work, the next crew would move into position to complete its piece of the construction process. Each spread may be up to 15 miles in length in open lands (off-road crews), with the front of the spread clearing the right-of-way and the back of the spread restoring the right-of-way. In urban areas (street crews), each spread may be up to 2 miles in length with the front end managing traffic, posting no-parking notices, and

including saw cutting roadways and the back end restoring the trench and conducting paving and restriping.

3.1.1.1.1 Directional Drilling

Horizontal and/or directional drilling will be required for various crossings, including under railroad tracks, freeways, flood control channels and open water courses, bridges, drainages, some roadways, and major street crossings. An equipment inventory for directional drilling was developed to estimate air emissions from this activity.

3.1.1.1.2 Hydrostatic Testing

Hydrostatic testing will be performed as part of pipeline construction. Natural gas piping will undergo hydrostatic testing to ensure pipeline integrity. The hydrostatic test water would be pumped into the test sections, pressurized to the design test pressure, and maintained at that pressure for a minimum of 8 hours. An equipment inventory for hydrostatic testing was developed to estimate air emissions from this activity.

A summary of maximum daily air pollutant emissions for each type of pipeline construction activity equipment inventory is shown in Table 3-2. A summary of construction equipment, vehicle usage, and associated emission calculations is provided as Appendix B.

Table 3-2: Maximum Daily Pipeline Construction Air Pollutant Proposed Project Emissions

Pipeline Construction Activity	Maximum Daily Emissions (lb/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Off-Road Pipeline Spread ¹	7.51	122.78	175.14	0.35	15.36	8.52
Street Pipeline Spread ²	5.64	94.56	127.69	0.21	7.68	6.06
Directional Drilling	3.45	22.44	22.44	0.04	1.29	1.19
Hydrostatic Testing	1.38	8.98	8.98	0.02	0.52	0.48

¹ Off-Road pipeline spread maximum daily emissions occur from Spread No. 2b, Winter, 2019.

² Street pipeline spread maximum daily emissions from Spread No.4, Winter, 2018.

VOC emissions from the coating of welds was not included in the CalEEMod run because of the very small quantity used on a daily basis and the calculation method used for architectural coatings in the model. Fusion-bonded epoxy coating would be applied at the pipe/coating mill before delivery to the construction site. However, field coating would be necessary on all field weld joints made at the site in order to provide a continuous coating along the pipeline. After the pipe has been welded and inspected, field-applied fusion-bonded epoxy or two-part epoxy would be used for the protection of pipe joints. The weld coating material would be subject to VOC emissions standard for architectural coatings. Based on a maximum daily in-field application of 10 gallons, daily VOC emissions from this activity are estimated to be less than 0.1 lb/day of VOC emissions and therefore may be considered a negligible contribution to overall Proposed Project emissions.

3.1.2 Impact AQ-1a: Conformity with applicable federal, state, and local air quality laws, ordinances, regulations and standards

Daily emissions were calculated for each construction activity and compared to regional and local daily mass emissions CEQA significance thresholds. Air emissions that would occur in San Bernardino County within the MDAB were assessed separately from emissions that would occur in portions of San Bernardino and Riverside Counties within the SCAB.

3.1.2.1 MDAQMD Impact Assessment

Air emissions from the Proposed Project that will occur in the MDAB during the construction period were assessed for regional significance threshold exceedance and potential health risk. The MDAQMD established regional daily mass emissions CEQA significance thresholds based on total emissions (direct and indirect) for any project. Peak daily construction emissions were estimated based on the preliminary construction schedule, which plans for multiple construction crews to be in operation on different segments of the project simultaneously. The peak daily construction emissions are based on the potential construction at the Adelanto Compressor station and two pipeline segments crews in progress within the MDAB as summarized in Table 3-3.

Table 3-3: Peak Daily Construction Emissions (MDAB)

Pollutant	Peak Daily Construction Emissions (lb/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Peak Daily Emission	22	311	469	1	37	22
MDAQMD Threshold	137	137	548	137	82	82
Exceeds Threshold?	No	Yes	No	No	No	No

As construction schedules are finalized, actual construction emissions are expected to be lower than presented. Emissions are expected to be lower as a result of a longer timeframe with less construction activities occurring on the same day. A reassessment of the peak construction emissions may be completed after the final construction schedule is prepared. Even with implementation of all feasible mitigation measures, it is assumed that the pipeline construction may result in exceedance of MDAQMD's standards for NO_x emissions, which would be a significant and unavoidable impact.

Annual construction emissions for the construction scheduled in 2018 and 2019 are presented in Table 3-4.

Table 3-4: Annual Construction Emissions (MDAB)

	Pollutant (tpy)					
	ROG (TPY)	NO _x (TPY)	CO (TPY)	SO ₂ (TPY)	PM ₁₀ (TPY)	PM _{2.5} (TPY)
2018 Total	0.08	0.84	2.35	0.01	0.41	0.13
Threshold	25	25	100	100	70	N/A
Exceeds Threshold?	No	No	No	No	No	-
2019 Total	0.86	14.49	22.50	0.04	1.91	1.05
Threshold	25	25	100	100	70	N/A
Exceeds Threshold?	No	No	No	No	No	-

The estimated annual emissions during construction within the MDAQMD are below the General Conformity applicability threshold.

3.1.2.2 SCAQMD Impact Assessment

The air emissions from the Proposed Project that will occur in the SCAQMD were assessed for regional significance threshold exceedance and potential health risk. The SCAQMD established regional daily mass emissions CEQA significance thresholds based on total project emissions. Peak daily construction emissions were estimated based on the preliminary construction schedule, which plans for multiple construction crews to be in operation on different segments of the project simultaneously. The peak daily construction emissions are based on the potential construction at the pressure limiting station and two pipeline segments crews in progress within the SCAB as summarized in Table 3-5.

Table 3-5: Peak Daily Construction Emissions (SCAQMD)

Pollutant	Peak Daily Construction Emissions (lb/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Peak Daily Emission	31	475	652	1	45	31
SCAQMD Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	Yes	Yes	No	No	No

As construction schedules are finalized, actual construction emissions are expected to be lower than presented in the following analysis. Emissions are expected to be lower as a result of a longer timeframe with less construction activities occurring on the same day. A reassessment of the peak construction emissions may be completed after the final construction schedule is prepared. Even with implementation of all feasible mitigation measures, it is assumed that pipeline construction may result in exceedance of SCAQMD's thresholds for NO_x and CO emissions, which would be a significant and unavoidable impact.

LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards, and are developed based on the ambient concentrations of that pollutant for a given source receptor area (SRA). The Proposed Project will occur in five SRAs.

Construction emissions were evaluated for localized impacts based on the amount of equipment that would be reasonably operating at the same time in the same location of each SRA impacted by the Proposed Project. LST emission estimates include all off-road equipment associated with pipeline construction, but assumes that the balance of off-road equipment associated with site preparation or demobilization will not operate concurrently (same day) within the SRA. Other sources that contribute to daily pipeline construction emissions such as on-road vehicles (vendors, work trucks, etc.) and fugitive dust emission estimates were included in the LST emissions analysis. The LST analysis used a 50-meter distance to a public receptor with the exception of SRA 32, which uses a 200-meter distance due to its remoteness from any public receptor.

A summary of the peak daily emissions and significance threshold by SRA is shown in Table 3-6. The pipeline construction emissions are not estimated to exceed the LSTs. A detailed summary of the calculations to predict construction activities that cause the highest daily emissions from street work spreads (i.e., pipe installation) is included in Appendix B.

Table 3-6: Comparison of Daily On-Site Construction Emissions to Localized Significance Threshold (LST) Thresholds

SRA	Maximum Daily On-Site Emissions (lb/day)				LST Emission Threshold for Construction (lb/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}	NO _x	CO	PM ₁₀	PM _{2.5}
36 – West San Bernardino Mtns.	67	100	12	5	148	1328	14	6
35 – East San Bernardino Valley ¹	45	66	5	3	148	1205	12	5
34 – Central San Bernardino Valley	45	65	5	3	148	1059	13	5
32 – Northwest San Bernardino Valley	126	158	9	8	334	5691	103	32
24 – Perris Valley	45	66	5	3	148	887	12	4

Note: LST threshold based on 1-acre site and distance of 200 meters, all others are based on 50 meters to receptor.

The annual emissions pertaining to construction activities in SCAQMD scheduled in 2018 and 2019 are shown in Table 3-7.

Table 3-7: Annual Construction Emissions (SCAQMD)

	Pollutant					
	ROG (TPY)	NO _x (TPY)	CO (TPY)	SO ₂ (TPY)	PM ₁₀ (TPY)	PM _{2.5} (TPY)
2018 Total	0.50	8.80	12.31	0.02	0.78	0.58
Threshold	10	10	100	100	70	N/A
Exceeds Threshold?	No	No	No	No	No	-
2019 Total	2.32	40.25	56.13	0.10	3.70	2.65
Threshold	10	10	100	100	70	N/A
Exceeds Threshold?	No	Yes	No	No	No	-

The annual emissions for NO_x during construction would potentially exceed the General Conformity applicability threshold. Therefore, the Proposed Project would require a formal conformity determination as per the federal CAA General Conformity Rule. The determination would be developed by SoCalGas, and then USFS, in consultation with SCAQMD, and the EPA would make the final conformity determination. Construction emissions from the Proposed Project would be a direct, adverse impact under NEPA. The impact would be temporary and would cease at the completion of construction.

3.1.3 *Impact AQ-1b – Potential to cause new violations of ambient air quality standards or contribute substantially to existing violations of those standards*

The Proposed Project would be regulated under the SCAQMD and MDAQMD. These regulations would require mitigation measures to reduce the impact of construction-related emissions related to the Proposed Project. However, because the Proposed Project would occur in areas of non-attainment for multiple pollutants, the emissions from the Proposed Project construction would contribute incrementally to existing exceedances of air quality standards. Proposed mitigation measures include MM AQ-1b, -1c, and -1d, defined below. Although temporary, project impacts would be direct, adverse impacts and would be considered significant and unavoidable.

3.1.4 *Impact AQ-1c – Potential to Conflict with or obstruct implementation of the applicable air quality plan*

Because Proposed Project construction NO_x emissions in the MDAB would exceed applicable emission thresholds, these emissions could conflict with implementation of the existing SIP measures for NO_x attainment. This conflict would be temporary and would cease following the completion of construction. However, during construction, this impact would be significant under CEQA. Mitigation measure MM AQ-1a, defined below, would require compliance with measures specified in the SIP. These impacts would be temporary, but would be direct, adverse impacts and would be considered significant and unavoidable.

3.1.5 *Impact AQ-1d – Potential to result in a cumulatively considerable net increase of any criteria pollutant for which the region of the Proposed Project is nonattainment*

The Proposed Project would occur in a non-attainment area and would contribute incrementally to the exceedance of air quality standards. These impacts would be temporary, but would be direct, adverse impacts. Impact may be mitigated with the implementation of low-emission construction equipment and the construction emissions reduction plan defined in mitigation measures MM AQ-1b and MM AQ-1c. However, even with implementation of all feasible mitigation measures, construction of the pipeline would result in a significant and unavoidable cumulative considerable net increase of criteria pollutants.

3.1.6 *Impact AQ-1e – Potential to expose sensitive receptors to substantial pollutant concentrations*

Diesel particulate emissions from diesel-fueled off-road equipment used for construction the Moreno Valley Pressure Limiting Station were conservatively assumed to be the same

as those estimated for the Adelanto Compressor Station, because the same equipment inventory was assumed for each activity. As a result, the estimated health risk impacts are also considered the same. The SCAQMD has adopted the same CEQA significance thresholds as the MDAQMD; therefore, no further analysis needs to be performed in the SCAQMD regarding emissions of air toxics from the Proposed Project.

Sensitive receptors include schools, hospitals, and other sensitive uses. Exhibit 3, *Sensitive Receptors within 500-Feet of Proposed Project Key Features*, shows various sensitive receptors such as health centers, parks, places of worship, schools, recreation areas, and senior centers within 500 feet of certain areas of the Proposed Project pipeline alignment. Residences, which are also considered sensitive receptors, are known to exist within 500 feet of certain areas of the Proposed Project pipeline alignment.

Given that construction activities would be transient and impact specific locations for only limited durations, long-term impacts would not occur.

3.1.7 Pipeline Construction Impact and Mitigation

To summarize, the potential impacts from the pipeline construction for the items addressed above are shown in Table 3-8. The following mitigation measures, shown in Section 3.6, are proposed to address the air quality impact during the construction of the pipeline:

- MM AQ-1a: District-specific construction Fugitive Dust Control Plans;
- MM AQ-1b: Low-emission Construction Equipment;
- MM AQ-1c: Construction Emissions Reduction Plan; and
- MM AQ-1d: Construction Equipment Documentation.

Best Management Practices (BMPs) pursuant to California Air Toxics Control Measures (13 CCR §2485) and In-Use Off-Road Diesel Vehicle Regulations (13 CCR §2449 et. seq.) would minimize criteria and TAC emissions from diesel and gasoline engine exhaust. The following practices would be implemented as part of the Proposed Project:

- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes. Clear signage shall be provided for construction workers at all access points.
- Correct tire inflation shall be maintained in accordance with manufacturer's specifications on wheeled equipment and vehicles to prevent excessive rolling resistance.
- All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified visible emissions evaluator if visible emissions are apparent to onsite construction staff.

With the implementation of all feasible mitigation measures, the pipeline construction activities still have the potential to have a significant impact on the short-term ambient air quality. These impacts are considered significant and unavoidable.

Table 3-8: Pipeline Construction Impact Significance

Impact	Description	CEQA Significance	NEPA Significance
AQ-1a	Conformity with applicable federal, state, and local air quality laws, ordinances, regulations and standards	PS	Potential adverse impact
AQ-1b	Potential to cause new violations of ambient air quality standards or contribute substantially to existing violations of those standards	PS	Potential adverse impact
AQ-1c	Potential to conflict with or obstruct implementation of the applicable air quality plan	LTS	No adverse impact
AQ-1d	Potential to result in a cumulatively considerable net increase of any criteria pollutant for which the region of the Proposed Project is nonattainment	PS	Potential adverse impact
AQ-1e	Potential to expose sensitive receptors to substantial pollutant concentrations	LTS	No adverse impact

Notes:

LTS - Less Than Significant

PS - Potentially Significant

3.2 Impact AQ-2: Air Quality Impacts Caused by Compressor Station Construction

To facilitate the new pipeline, construction is required for modification at the Adelanto Compressor Station and the Moreno Valley Pressure Limiting Station. Construction activities would include clearing and grading, excavation and compaction for equipment and building foundations, installation of drainage control facilities, equipment, and facility lighting, installation of natural gas-driven compressors and the compressor building at Adelanto, installation of supporting equipment and piping, and installation of electrical and control instrumentation. Emissions related to the construction of the upgraded Adelanto Compressor Station comprise criteria pollutants (CO, NO_x, VOC, SO_x, PM₁₀, and PM_{2.5}), GHGs (CO₂, CH₄, and N₂O) expressed as CO₂e, and several species of TACs including DPM.

A summary of construction equipment and vehicle usage and associated emission calculations is shown in Table 3-9, and the detailed calculations are provided in Appendix B.

Table 3-9: CEQA Significance Thresholds Evaluation – Station Construction

Pollutant / Risk	Maximum	MDAQMD Threshold	SCAQMD Threshold	Annual	Threshold	Significance
	lbs/day	lbs/day	lbs/day	tons/yr*	tons/yr	
CO	60.9	548	550	8.0	100	LTS
NO _x	39.0	137	55	5.1	25	LTS
VOC	2.1	137	55	0.28	25	LTS
SO _x	0.1	137	150	0.01	25	LTS
Fugitive Dust PM ₁₀	2.4	82	-	0.3	15	LTS
Exhaust PM ₁₀	2.1	82	-	0.28	15	LTS
Total PM ₁₀	4.4	82	150	0.57	15	LTS
Fugitive Dust PM _{2.5}	0.65	82	-	0.08	15	LTS
Exhaust PM _{2.5}	2.1	82	-	0.27	15	LTS
Total PM _{2.5}	2.73	82	55	0.35	15	LTS
CO ₂ e	9,666	548,000	-	1,150	100,000 / 10,000**	LTS

Sources: MDAQMD 2011, CalEEMod 2013

Notes:

LTS - Less Than Significant

*For shortest 18-month construction period

** GHG Threshold for SCAQMD 10,000 MT

Table 3-10 contains results of the screening health risk assessment for construction (DPM). Appendix C contains operational emissions and health risk assessment calculation spreadsheets and Appendix D contains health risk assessment modeling outputs (AERSCREEN and HARP2).

Table 3-10: Screening Health Risk Assessment – Construction (DPM)

Time and Age Weighted Toxic Air Contaminants Risks	AERSCREEN/HARP2 Screening Results			
	Risk	Per million	Threshold	Significance
2-year Residential MICR - Multipathway	3.3E-06	3.30	10	LTS
2-year Worker MICR	7.6E-07	0.76	10	LTS
2-year School MICR	2.2E-07	0.22	10	LTS
Residential HIC	0.012	—	1	LTS
Worker HIC	0.176	—	1	LTS
School HIC	0.008	—	1	LTS
Residential HIA	NA	—	1	LTS
Worker HIA	NA	—	1	LTS
School HIA	NA	—	1	LTS

Sources: CalEEMod 2013, MDAQMD 2011, EPA 1992, EPA 2011, CARB 2015c

Notes:

LTS - Less Than Significant

MICR - Maximum Individual Cancer Risk

HIC - Chronic Hazard Index

HIA - Acute Hazard Index

Mandatory minimum multipathway: inhalation, soil ingestion, dermal, mother's milk

Annual emission rates allocated over maximum 2-year exposure times

3.2.1 Impact AQ-2a – Conformity with applicable federal, state, and local air quality laws, ordinances, regulations and standards

As described earlier, the Adelanto Compressor Station will be subject to and designed to comply with applicable stationary source rules and regulations of the MDAQMD. Further, the compressor station will also be required to comply with applicable federal and State regulations described in Sections 1.2.1 and 1.2.2, respectively. Off-road equipment and on-road vehicles that would be used to support construction, including worker commuting, are required by state law to comply with CARB emission standards applicable to the model year. During compressor station construction, the Proposed Project would be required to comply with MDAQMD Rules 403 (Fugitive Dust) and 403.2 (Fugitive Dust Control for the Mojave Desert Planning Area).

Mitigation Measures: MM AQ-1a, -b, -c, -d

3.2.2 Impact AQ-2b – Potential to cause new violations of ambient air quality standards or contribute substantially to existing violations of those standards

Construction activities at the Proposed Project site would utilize diesel-powered off-road construction equipment (onsite) and on-road vehicles (onsite and offsite) that emit criteria pollutants and TACs (e.g., DPM) as part of engine exhaust. Since no large-scale site grading would be required, no large earthmoving equipment would be used that could emit substantial quantities of criteria pollutants and TACs, including fugitive dust. Equipment such as cranes and forklifts would not be operated continuously, thus limiting criteria pollutant and TAC emissions. Estimated daily Proposed Project construction emissions shown in Table 3-9 are well below daily and annual significance thresholds.

Mitigation Measures: MM AQ-1a, -b, -c, -d

3.2.3 Impact AQ-2c – Potential to Conflict with or obstruct implementation of the applicable air quality plan

The Proposed Project would not conflict with MDAQMD air quality planning goals because Proposed Project elements would be required to comply with all applicable MDAQMD rules and regulations during construction. Further, off-road equipment and on-road vehicles that would be used to support construction, including worker commuting, are required by state law to comply with CARB emissions standards applicable to the model year. During construction, compliance with MDAQMD Rules 403 (Fugitive Dust) and 403.2 (Fugitive Dust Control for the Mojave Desert Planning Area) would ensure that the Proposed Project would not conflict with or obstruct implementation of the Mojave Desert Planning Area Federal Particulate Matter (PM₁₀) Attainment Plan adopted on July 31, 1995.

Mitigation Measures: MM AQ-1a, -b, -c, -d

3.2.4 Impact AQ-2d – Potential to result in a cumulatively considerable net increase of any criteria pollutant for which the region of the Proposed Project is nonattainment

The Adelanto Compressor Station construction emissions would result in a cumulative net increase that would contribute incrementally to the existing criteria pollutant non-attainment areas. These impacts would be temporary, but would be direct, adverse impacts. Impact may be reduced with the implementation of MM AQ-1a, MM AQ-1b, MM AQ-1c and MM AQ-1d. However, even with implementation of all feasible mitigation measures, construction of the Adelanto Compressor Station would result in a temporary potentially significant and cumulative considerable net increase of criteria pollutants.

3.2.5 Impact AQ-2e – Potential to expose sensitive receptors to substantial pollutant concentrations

As mentioned in Section 2.2.2 of this report, since there are no sensitive receptors within 1,000 feet of the compressor station, the nearest residential and school receptors were assessed for risks, along with the nearest worker receptor located about 800 feet north of the site.

As shown in Table 3-9, less than 3 pounds per day DPM (as PM₁₀) in engine exhaust would be emitted during construction of the Adelanto Compressor Station. As shown in Table 3-10, the limited short-term use of diesel-powered construction equipment for a maximum 2-year construction period would not be sufficient to pose a significant risk to sensitive receptors from off-road equipment operations. Further, California ultra-low sulfur diesel fuel with a maximum sulfur content of 15 ppm by weight would be used in all diesel-powered equipment which minimizes emissions of sulfurous gases. Therefore, no objectionable odors are anticipated solely from construction activities.

Mitigation Measures: MM AQ-1b, -c

3.2.6 Compressor Station Construction Mitigation

To summarize, the potential impacts from the compressor and limiting station construction for the items addressed above are shown in Table 3-11.

Table 3-11: Compressor and Limiting Station Construction Impact Significance

Impact	Description	CEQA Significance	NEPA Significance
AQ-2a	Conformity with applicable federal, state, and local air quality laws, ordinances, regulations and standards	LTS	NA
AQ-2b	Potential to cause new violations of ambient air quality standards or contribute substantially to existing violations of those standards	LTS	No adverse impact
AQ-2c	Potential to conflict with or obstruct implementation of the applicable air quality plan	LTS	No adverse impact
AQ-2d	Potential to result in a cumulatively considerable net increase of any criteria pollutant for which the region of the Proposed Project is nonattainment	PS	Potential adverse impact
AQ-2e	Potential to expose sensitive receptors to substantial pollutant concentrations	LTS	No adverse impact

Notes:

LTS - Less Than Significant

PS - Potentially Significant

NA - No threshold of significance

The following mitigation measures, shown in Section 3.6, are proposed to address the air quality impact during the construction of the stations, if needed:

- MM AQ-1a: District-specific construction Fugitive Dust Control Plans;
- MM AQ-1b: Low-emission Construction Equipment;
- MM AQ-1c: Construction Emissions Reduction Plan; and
- MM AQ-1d: Construction Equipment Documentation.

3.3 Impact AQ-3: Air Quality Impacts Caused by Greenhouse Gas Emission During Proposed Project Construction

3.3.1 *Impact AQ3a: Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?*

Construction activities at the Adelanto Compressor Station would utilize diesel-powered off-road construction equipment (onsite) and on-road vehicles (onsite and offsite) that emit GHGs as part of engine exhaust. Since no large-scale site grading would be required, no large earthmoving equipment would be used that could emit large quantities of GHGs. Equipment such as cranes and forklifts would not be operated continuously, thus limiting GHG emissions. Annual estimates of Proposed Project construction GHG emissions shown in Table 3-9 are below daily and annual significance thresholds.

3.3.2 *Impact 3b: Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?*

Due to its relatively small scale and temporary status, the construction phase of the Proposed Project would not conflict with state and local plans, policies, or regulations aimed at curbing GHG emissions over the long term.

Mitigation Measures: MM AQ-1b, -c

3.3.3 Mitigation for Greenhouse Gas Emissions During Proposed Project Construction

To summarize, the potential impacts from the construction of the Proposed Project are shown in Table 3-12.

Table 3-12: Proposed Project Construction GHG Emissions Impact Significance

Impact	Description	CEQA Significance	NEPA Significance
AQ-3a	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	LTS	No adverse impact
AQ-3b	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	LTS	No adverse impact

Notes:

LTS - Less Than Significant

Although the construction of the Proposed Project will have less than significant impact on GHG, the implementation of the mitigation measures to minimize criteria pollutants, as presented in the previous section of this report, will also minimize GHG emissions from diesel and gasoline engine exhaust.

3.4 Impact AQ-4: Air Quality Impacts Caused by Proposed Project Operations

Emissions from operations are dominated by the emissions related to the operation of the upgraded Adelanto Compressor Station, which include criteria pollutants (CO, NO_x, VOC, SO_x, PM₁₀, and PM_{2.5}), GHGs (CO₂, CH₄, and N₂O) expressed as CO₂e, and several species of TACs. The emissions were estimated for a representative compressor station rated at 36,000 peak brake horsepower.

Results of these analyses are presented in Tables 3-13 through 3-18.

- Table 3-13: Estimated Criteria Emissions Summary (PTE) for Compressor Station Operation
- Table 3-14: Estimated Toxic Air Contaminants Emissions Summary (PTE) for Compressor Station Operation
- Table 3-15: CEQA Significance Thresholds Evaluation – (PTE) for Compressor Station Operation
- Table 3-16: Ambient Air Quality Impact for Compressor Station Operation – Victorville 2010-2014 (5-year average maxima)
- Table 3-17: Existing Equipment PTE and Difference with Repower PTE for Compressor Station Operation

- Table 3-18: Screening Health Risk Assessment – Operation (worst case) for Compressor Station Operation

Appendix C contains operational emissions and health risk assessment calculation spreadsheets, and Appendix D contains health risk assessment modeling outputs (AERSCREEN and HARP2).

Table 3-13: Estimated Criteria Emissions Summary (PTE) for Compressor Station Operation

Criteria Pollutants	lbs/hr	lbs/day	tons/yr
CO	5.1	117.2	25.3
NO _x	11.2	256.7	50.7
VOC	1.0	22.3	6.3
Transitional CO	21.2	21.2	—
Transitional NO _x	20.9	20.9	—
Transitional VOC	12.1	12.1	—
SO _x	0.2	5.9	1.1
PM ₁₀	2.5	60.0	10.9

Sources: CARB 2014b, SCAQMD 2014, EPA 2000

Table 3-14: Estimated Toxic Air Contaminants Emissions Summary (PTE) for Compressor Station Operation

Toxic Air Contaminants	lbs/hr	lbs/day	lbs/yr
Ammonia (as NH ₃ slip)	2.5781	61.87	22,584
Acetaldehyde	0.0012	0.03	10.6
Acrolein	0.0002	0.00	1.7
Benzene	0.0004	0.01	3.2
Butadiene (1,3-)	0.0000	0.00	0.1
Ethylbenzene	0.0010	0.02	8.5
Formaldehyde	0.0215	0.52	188.5
Naphthalene	0.0000	0.00	0.3
PAHs (excl. Naphthalene.)	0.0000	0.00	0.2
Propylene oxide	0.0009	0.02	7.7
Toluene	0.0039	0.09	34.5
Xylene	0.0019	0.05	17.0

Sources: EPA 2000

Table 3-15: CEQA Significance Thresholds Evaluation (PTE) for Compressor Station Operation

Pollutant/ Risk	Maximum	Threshold	Significance	Annual	Threshold	Significance
	lbs/day	lbs/day		tons/yr	tons/yr	
CO	138.4	548	LTS	25.3	100	LTS
NO _x	277.6	137	LTS	50.7	25	LTS
VOC	34.5	137	LTS	6.3	25	LTS
SO _x	5.9	137	LTS	1.1	25	LTS
PM ₁₀	60.0	82	LTS	10.9	15	LTS
PM _{2.5}	59.4	82	LTS	10.8	15	LTS
CO ₂ e	1,064,435	548,000	PS/LTS	194,259	100,000	PS/LTS

Sources: MDAQMD 2011, SCAQMD 2006

Notes:

LTS - Less Than Significant or Less Than Significant with offsets/allowances implemented per regulatory requirements (i.e., NSR, Cap-and-Trade)

PS - Potentially Significant

Table 3-16: Ambient Air Quality Impact for Compressor Station Operation – Victorville 2010-2014 (5-year average maxima)

Impact Parameter	Applicable Standard	Ambient Background	Proposed Project Contribution	Cumulative Conc.	AAQS Threshold	Significance
		µg /m ³	µg/m ³	µg/m ³	µg/m ³	
1-hour CO	State	5,814	21	5,835	22,900	LTS
	Federal	5,814	21	5,835	40,100	LTS
1-hour NO ₂	State	150.1	25.1	175.2	338	LTS
	Federal	150.1	25.1	175.2	188	LTS
1-hour SO ₂	State	42.0	0.6	42.6	655	LTS
	Federal	42.0	0.6	42.6	196	LTS
24-hour SO ₂	State	11.0	0.3	11.4	105	LTS
	Federal	11.0	0.3	11.4	367	LTS
24-hour PM ₁₀	State	46.2	3.5	49.6	50	LTS
	Federal	105.7	3.5	109.1	150	LTS
24-hour PM _{2.5}	State (Federal)	17.2	3.4	20.6	35	LTS
	Federal	16.4	3.4	19.9	35	LTS

Sources: SCAQMD 2006, SCAQMD 2008b, EPA 1992, EPA 2011, CARB 2013a, CARB 2015a,b

Table 3-17: Existing Equipment PTE and Difference with Repower PTE for Compressor Station Operation

Pollutant	EF	Heat Input	Existing Equipment Potential to Emit			Δ Repower
	lb/mmBTU	mmBTU/hr	lbs/hr	lbs/day	tons/yr*	tons/yr*
CO	0.0820	110	9.02	216.48	39.51	-14.24
NO _x	0.3315	110	36.47	875.22	159.73	-109.06
VOC	0.0021	110	0.23	5.54	1.01	5.28
SO _x	0.0007	110	0.07	1.72	0.31	0.77
PM ₁₀	0.0124	110	1.37	32.85	5.99	4.95
CO _{2e}	117.10	110	12,881	309,136	51,181	125,050

Source: FOP 3100066, EPA 2000, 40 CFR 98

*CO_{2e} in metric tonnes per year (MT/yr)

Table 3-18: Screening Health Risk Assessment – Operation (worst case) for Compressor Station Operation

Time and Age Weighted Toxic Air Contaminants Risks	AERSCREEN/HARP2 Screening Results			
	Risk	Per Million	Threshold	Significance
30-year Residential MICR - Multipathway	8.4E-08	0.084	10	LTS
25-year Worker MICR	8.5E-09	0.008	10	LTS
4-year School MICR	2.4E-09	0.002	10	LTS
Residential HIC	0.178	—	1	LTS
Worker HIC	0.320	—	1	LTS
School HIC	0.143	—	1	LTS
Residential HIA	0.001	—	1	LTS
Worker HIA	0.003	—	1	LTS
School HIA	0.001	—	1	LTS

Sources: MDAQMD 2011, EPA 2000, EPA 1992, EPA 2011, CARB 2015c

Notes:

LTS - Less Than Significant

MICR - Maximum Individual Cancer Risk

HIC - Chronic Hazard Index

HIA - Acute Hazard Index

Mandatory minimum multipathway: inhalation, soil ingestion, dermal, mother's milk

Assumes year-round operation (8,760 hrs/yr) of point source

3.4.1 Impact AQ-4a – Conformity with applicable federal, state, and local air quality laws, ordinances, regulations and standards

A General Conformity determination is required for federally sponsored, permitted, or funded actions in NAAQS nonattainment areas or in certain maintenance areas when the total direct and indirect net emissions of nonattainment pollutants (or their precursors) exceed specified thresholds (Clean Air Act Amendments of 1990 Section 176[c]). This

regulation ensures that federal actions conform to SIPs and agency NAAQS attainment plans.

The West Mojave Desert portion of San Bernardino County is a “Severe 15” federal nonattainment area for ozone, and San Bernardino County is a “Moderate” federal nonattainment area for PM₁₀ (EPA 2015). Thus, stationary source emissions of nonattainment pollutants or precursors NO_x, VOC, and PM₁₀ over specified thresholds would be subject to the General Conformity rule since the Proposed Project requires a Title V permit amendment for the Adelanto Compressor Station.

Pursuant to 40 CFR 93.153(b)(1), the thresholds for potential emissions are 25 tons per year of NO_x or VOC in severe ozone nonattainment areas and 100 tons per year PM₁₀ in moderate PM₁₀ nonattainment areas. As shown in Table 3-15, annual NO_x emissions from operations may exceed the threshold; however, PM₁₀ emissions would not exceed the threshold. Thus, the lead federal agency (EPA) or its designee (MDAQMD) may be required to prepare a General Conformity Determination for public comment, focusing on NO_x emissions.

The General Conformity Determination would outline the methodology by which NO_x emissions from the Proposed Project would be brought into conformance with the SIP. Options could be whether such emissions are specifically identified and accounted for in the SIP (e.g., “grandfathered” for the existing equipment) or whether new emissions must be fully offset using emission reduction credits (ERCs) or a similarly enforceable measure that creates emissions reductions elsewhere so that there is no net increase in emissions affecting the West Mojave Desert ozone nonattainment area.

As described previously, the Adelanto Compressor Station will be subject to—and designed to comply with—applicable stationary source rules and regulations of the MDAQMD via the permitting, recordkeeping, and reporting processes, including MDAQMD Regulation XIII – New Source Review, Rules 1302, 1303, 1305, 1310, and 1320. Further, the compressor station will also be required to comply with applicable federal and state regulations. As the permitting and enforcement agency, the MDAQMD oversees compliance at the local, state, and federal levels in the MDAB.

Mitigation Measures: MM AQ-2

3.4.2 Impact AQ-4b – Potential to cause new violations of ambient air quality standards or contribute substantially to existing violations of those standards

Ambient air quality standards are presented in Table 3-16 along with the estimated Proposed Project contribution from the controlled operational emissions from the Proposed Project. The Proposed Project emissions would not contribute substantially to existing or projected air quality violations in the Proposed Project Area. Based on 5-year average maxima monitoring data collected at the nearest MDAQMD air monitoring station in Victorville (Appendix C), the Proposed Project would not cause either CAAQS or NAAQS violations in the vicinity of the Adelanto Compressor Station.

Mitigation Measures: MM AQ-2

3.4.3 *Impact AQ-4c – Potential to Conflict with or obstruct implementation of the applicable air quality plan*

The Proposed Project would not conflict with MDAQMD air quality planning goals because the Proposed Project elements would be required to comply with all applicable MDAQMD rules and regulations during operation. Further, on-road vehicles that would be used to support operation, including employee commuting, are required by state law to comply with CARB emissions standards applicable to the model year. Due to the use of pipeline natural gas fuel as BACT for PM₁₀, the Proposed Project would not conflict with or obstruct implementation of the Mojave Desert Planning Area Federal Particulate Matter (PM₁₀) Attainment Plan adopted on July 31, 1995.

Mitigation Measures: MM AQ-2

3.4.4 *Impact AQ-4d – Potential to result in a cumulatively considerable net increase of any criteria pollutant for which the region of the Proposed Project is nonattainment*

Based on MDAQMD guidance, if a project would result in an increase in any nonattainment pollutant (i.e., VOC, NO_x, PM₁₀, or PM_{2.5}) of more than its respective average daily or annual mass significance threshold shown in Table 3-15, then it would also be considered to contribute considerably to a significant cumulative impact. In developing thresholds of significance for air pollutants, MDAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project would exceed the identified significance thresholds, its emissions would be cumulatively considerable; and if a project would not exceed the significance thresholds, its emissions would not be cumulatively considerable. Therefore, implementation of MM AQ-2 would require that offset NO_x emissions not exceed MDAQMD daily and annual significance thresholds, and would ensure that the Proposed Project would not be cumulatively considerable. Further, as shown in Table 3-17, due to BACT, the upgraded Adelanto Compressor Station would emit far less CO and NO_x than the equipment that currently exists on site, about 14 and 109 fewer tons per year, respectively, on a PTE basis.

Mitigation Measures: MM AQ-2

3.4.5 *Impact AQ-4e – Potential to expose sensitive receptors to substantial pollutant concentrations*

Tables 3-14 and 3-18 characterize emissions of TACs and associated risks from the Proposed Project. Due to BACT (OXCAT), emissions of organic TACs are reduced 92 percent from uncontrolled levels. Cancer risks and acute and chronic hazard indices would be well below thresholds for the nearest residents, workers, and schools. Further, due to the very low (trace) sulfur content of pipeline natural gas (PNG), Proposed Project operation would not be anticipated to result in any odor complaints and odor-related impacts.

Mitigation Measures: None Required

3.4.6 Mitigation for Proposed Project Operations

To summarize, the potential impacts from the compressor operation for all of the items addressed above are shown in Table 3-19. Emissions from operations will be offset by acquiring NO_x ERCs pursuant to MDAQMD Regulation XIII – New Source Review, Rules 1302, 1303, 1305, 1310, and 1320. However, offsets are not considered mitigation per se under CEQA (§15126.4) because they are distinguished as measures proposed by a responsible agency (i.e., MDAQMD) that the lead agency could reasonably expect would reduce adverse impacts to approve the project. Nevertheless, implementation of such offsets to the Proposed Project would result in no net increase in NO_x emissions on a regional basis, thus lowering impacts to less than significant.

Table 3-19: Proposed Project Operations Impact Significance

Impact	Description	CEQA Significance	NEPA Significance
AQ-4a	Conformity with applicable federal, state, and local air quality laws, ordinances, regulations and standards	PS / LTS	NA
AQ-4b	Potential to cause new violations of ambient air quality standards or contribute substantially to existing violations of those standards	LTS	No adverse impact
AQ-4c	Potential to conflict with or obstruct implementation of the applicable air quality plan	LTS	No adverse impact
AQ-4d	Potential to result in a cumulatively considerable net increase of any criteria pollutant for which the region of the Proposed Project is nonattainment	LTS	No adverse impact
AQ-4e	Potential to expose sensitive receptors to substantial pollutant concentrations	LTS	No adverse impact

Notes:

LTS - Less Than Significant or Less Than Significant with offsets/allowances implemented per regulatory requirements (i.e., NSR, Cap-and-Trade)

PS - Potentially Significant

NA – No threshold of significance

3.5 Impact AQ-5: Impacts Caused by Greenhouse Gas Emissions during Proposed Project Operation

Table 3-20 contains a summary of the potential to emit estimate of GHG emissions during the Proposed Project operation.

Table 3-20: Estimated Greenhouse Gases Emissions Summary (PTE) during Proposed Project Operation

Greenhouse Gases	lbs/hr	lbs/day	MT/yr
CO ₂	44,306	1,063,337	176,049
CH ₄	0.8	20.0	3.3
N ₂ O	0.1	2.0	0.3
CO ₂ e	44,351	1,064,435	176,231

Sources: 40 CFR 98

The following CEQA GHG determinations are made with respect to Proposed Project operation.

3.5.1 Impact AQ-5a: Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

The long-term effect of the Proposed Project would be to enable more efficient distribution of clean-burning natural gas to residential, commercial, industrial, and utility customers.

For the utility sector in particular, the Proposed Project would result in mitigation of emissions, whether GHGs, criteria pollutants, or TACs due to substitution of high-efficiency gas-fired generation for imported coal-fired generation pursuant to the requirements of Senate Bill (SB) 1368—Emissions Performance Standards—which mandates that California electric utilities phase out imported coal-fired generation under long-term contracts or ownership.

Substantial daily operational GHG emissions are only anticipated to result from the proposed compressor station. As shown in Tables 3-15 and 3-17, the upgraded compressor station could emit about 125,000 MT/year more CO₂e than the existing (currently unused) station due to the larger aggregate equipment capacity, that is, approximately 380 mmBTU/hr versus 110 mmBTU/hr, respectively (PTE basis). As shown in Table 3-16, annual CO₂e emissions would be expected to exceed the 100,000 short tons (90,719 metric tonnes) per year significance threshold adopted by the MDAQMD in 2011.

Mitigation Measures: MM AQ-3a, MM AQ-3b

3.5.2 Impact AQ-5b: Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

The Proposed Project would not conflict with State and local plans, policies, or regulations aimed at curbing GHG emissions. The long-term effect of the Proposed Project would be to help reduce GHG emissions from the utility sector pursuant to SB 1368 by enabling further development of high-efficiency combined-cycle and advanced simple-cycle generating units used to supplement renewable but intermittent generating resources such as wind and solar, including so-called “hybrid” power plants. The Proposed Project would not conflict with or obstruct implementation of the Global Warming Solutions Act (AB 32).

Mitigation Measures: MM AQ-3a, MM AQ-3b

3.5.3 Mitigation for GHG Emissions from Proposed Project Operations

To summarize, the potential impacts from the Proposed Project operation on GHG emissions are shown in Table 3-21.

Emissions of CO₂e may be offset via participation in the California Greenhouse Gas Cap-and-Trade Program which applies an aggregate GHG allowance budget on covered entities—such as natural gas pipeline compressor stations—and provides a trading mechanism for compliance instruments. However, allowances are not considered mitigation per se under CEQA (§15126.4) because they are distinguished as measures proposed by a responsible agency (i.e., CARB) that the lead agency could reasonably expect would reduce adverse impacts to approve the project. Nevertheless, implementation of such allowances to the Proposed Project would result in no net increase in GHG emissions on a statewide basis, thus lowering impacts to less than significant.

The mitigation for GHG from the Proposed Project operation focus is to operate the compressor station gas turbine compressor units as efficiently as possible in order to minimize GHG emissions. This will include avoiding running excess capacity by shutting down unneeded units when load demand is low and maintaining the units according to manufacturer’s specifications. One of the maintenance items will be to change inlet air filters when out-of-specification pressure drop across filters becomes apparent, particularly in dusty conditions (e.g., after high desert windstorms).

Table 3-21: Proposed Project Operation on GHG Emissions Impact Significance

Impact	Description	CEQA Significance	NEPA Significance
AQ-5a	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	PS / LTS	Potential adverse impact / No adverse impact
AQ-5b	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	LTS	NA

Notes:

LTS - Less Than Significant or Less Than Significant with offsets/allowances implemented per regulatory requirements (i.e., NSR, Cap-and-Trade)

PS - Potentially Significant

NA – No threshold of significance

3.6 Summary of Mitigation Measures

Proposed Project mitigation measures are summarized in Table 3-22. The agency responsible for implementing each measure, location requiring mitigation, and timing for mitigation are also listed in the table.

Table 3-22: Mitigation Measures

Impact	Mitigation Measure	Location	Responsible Agency	Timing
Impact AQ-1: Potential Temporary Ambient Air Quality Impacts Caused by Pipeline Construction Activities. Air pollutants emitted during construction activities with potential to temporarily increase ambient criteria pollutants concentrations in the Proposed Project area.	MM AQ-1a: Construction Fugitive Dust Control Plan	All construction locations	USFS, SCAQMD, and MDAQMD	Plan needs to be submitted prior to start of construction with adequate time for review and comment by all responsible agencies
	MM AQ-1b: Low-emission Construction Equipment	All construction	USFS, SCAQMD and MDAQMD	Ongoing – throughout the duration of construction
	MM AQ-1c: Construction Emissions Reduction Plan	All construction locations	USFS, SCAQMD and MDAQMD	Plan needs to be submitted prior to start of construction with adequate time for review and comment by all responsible agencies
	MM AQ-1d: Construction Equipment Documentation	All construction	USFS, SCAQMD and MDAQMD	Ongoing – throughout the duration of construction
Impact AQ-2: Potential Temporary Ambient Air Quality Impacts Caused by Compressor Station Construction Activities. Air pollutants emitted during construction activities with potential to temporarily increase ambient criteria pollutants concentrations in the Proposed Project area.	MM AQ-1a: Construction Fugitive Dust Control Plan	All construction locations	USFS, SCAQMD, and MDAQMD	Plan needs to be submitted prior to start of construction with adequate time for review and comment by all responsible agencies
	MM AQ-1b: Low-emission Construction Equipment	All construction	USFS, SCAQMD and MDAQMD	Ongoing – throughout the duration of construction
	MM AQ-1c: Construction Emissions Reduction Plan	All construction locations	USFS, SCAQMD and MDAQMD	Plan needs to be submitted prior to start of construction with adequate time for review and comment by all responsible agencies
	MM AQ-1d: Construction Equipment Documentation	All construction	USFS, SCAQMD and MDAQMD	Ongoing – throughout the duration of construction
Impact AQ-3: Potential Temporary GHG Impacts Caused by Compressor	MM AQ-1b: Low-emission Construction Equipment	Adelanto Compressor Station	MDAQMD	Ongoing – throughout the duration of construction

Table 3-22: Mitigation Measures

	MM AQ-1c: Construction Emissions Reduction Plan	Adelanto Compressor Station	MDAQMD	Plan needs to be submitted prior to start of construction with adequate time for review and comment by all responsible agencies
Impact AQ-4: Potential Long-term NO _x Emissions Impacts Caused by Compressor Station Operation.	MM AQ-2*: Acquire and apply NO _x offsets pursuant to MDAQMD Regulation XIII	Adelanto Compressor Station	MDAQMD, USEPA (Title V facility)	Documented source(s), amounts, and prices of offsets are required with Permit to Construct Application
Impact AQ-5: Potential Long-term GHG Emissions Impacts Caused by Compressor Station Operation.	MM AQ-3a: Acquire and apply GHG allowances pursuant to the Cap-and-Trade Program	Adelanto Compressor Station	CARB	Documented emissions limits and allowances are required with Permit to Construct Application
	MM AQ-3b: Operate gas turbine compressor units as efficiently as possible in order to minimize GHG emissions	Adelanto Compressor Station	MDAQMD, USEPA (Title V facility)	Proposed permit conditions are required with Permit to Construct Application
<p>Notes:</p> <p>*Emissions from operations will be offset by acquiring NO_x ERCs pursuant to MDAQMD Regulation XIII resulting in no net increase in NO_x emissions. However, offsets are not considered mitigation per se under CEQA (§15126.4) because they are distinguished as measures proposed by a responsible agency (i.e., MDAQMD) that the lead agency could reasonably expect would reduce adverse impacts to approve the project.</p> <p>** Actual emissions of CO₂e may be offset via participation in the California Greenhouse Gas Cap-and-Trade Program, resulting in no net increase in GHG emissions on a statewide basis, thus lowering impacts to less than significant.</p>				

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APPENDIX A – EXHIBITS

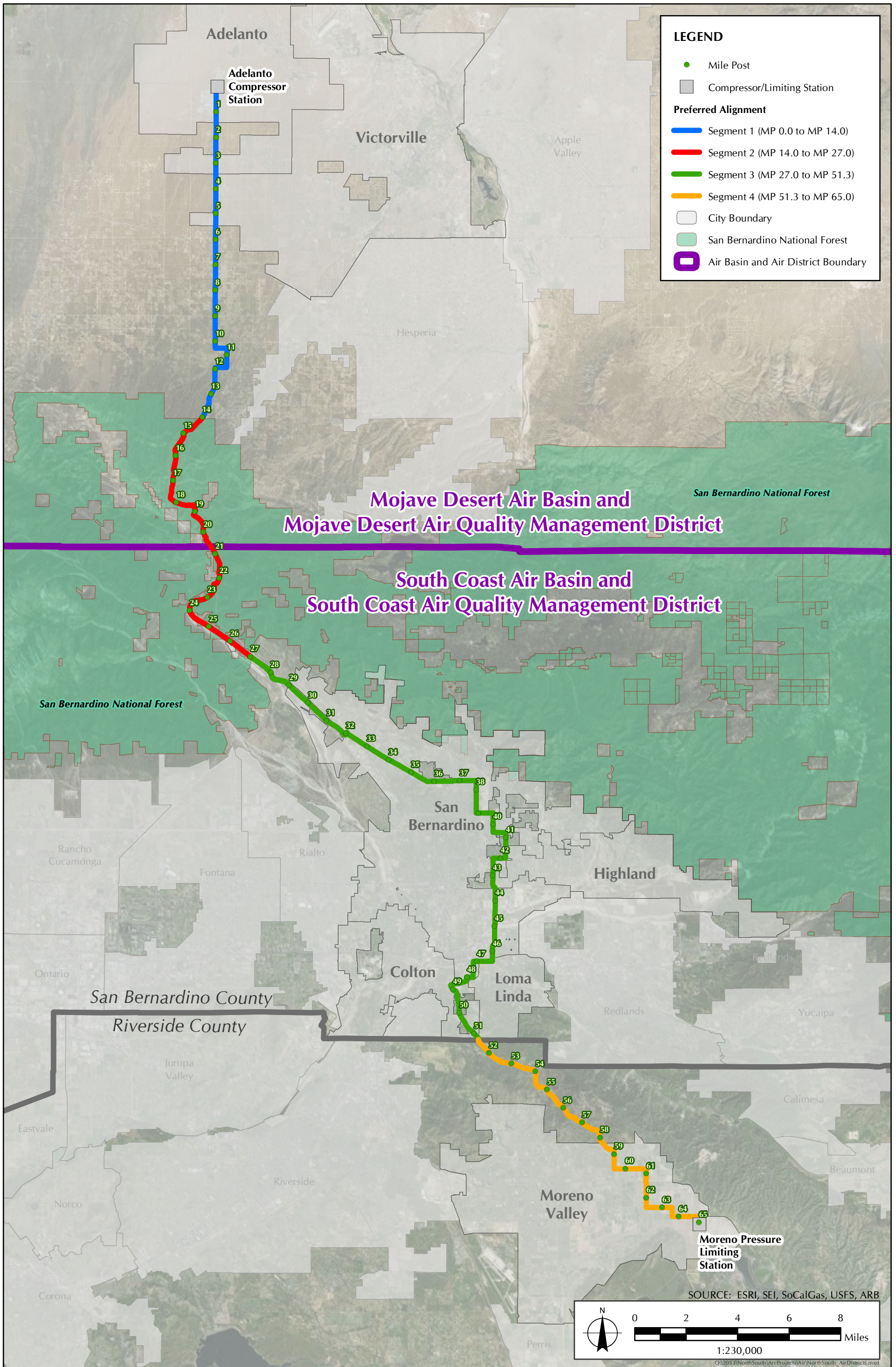


EXHIBIT 1
Air Basins and Air Quality Management Districts

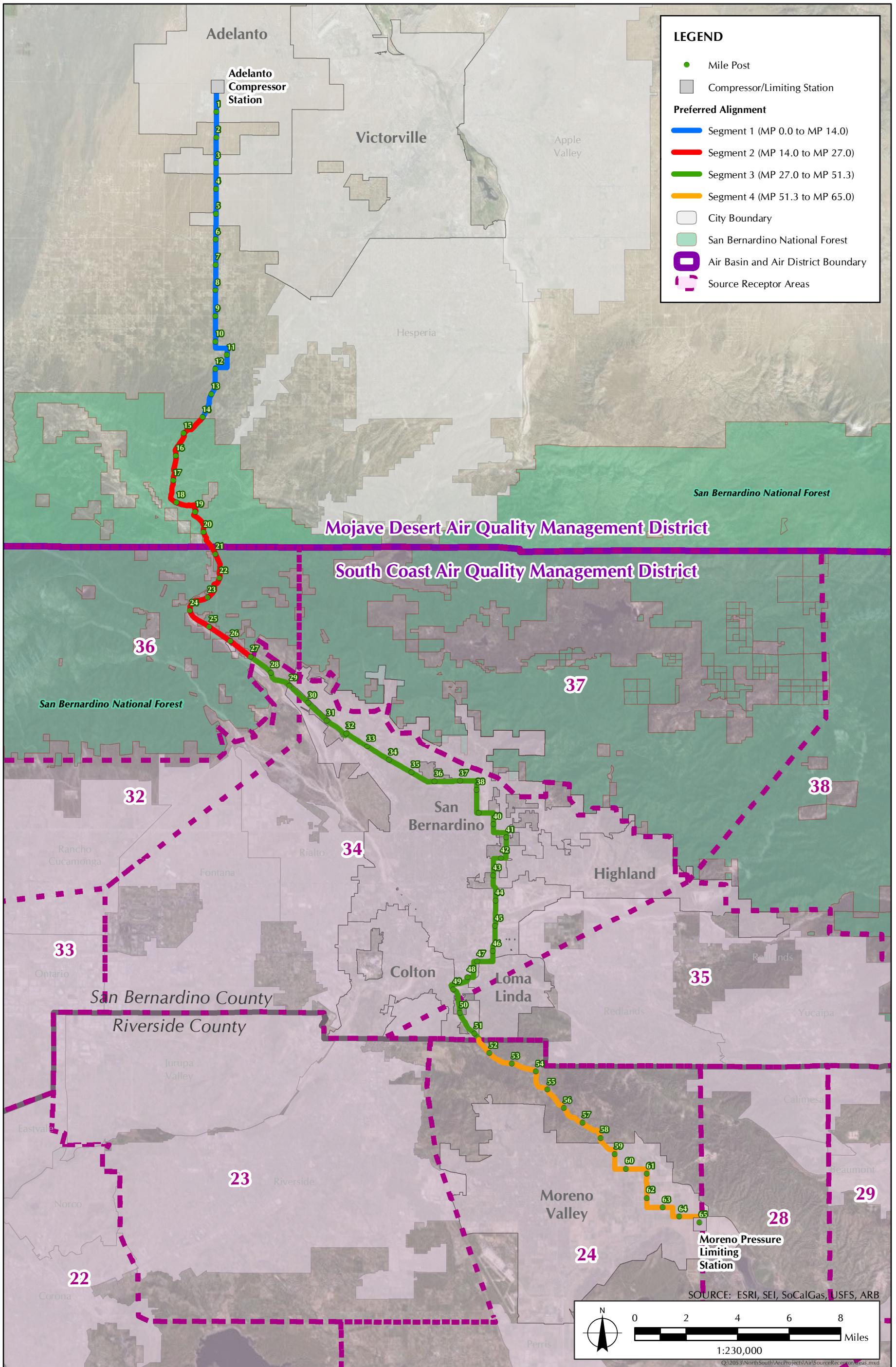


EXHIBIT 2
Source Receptor Areas

Comparison of Annual Construction Emissions with Significance Thresholds

Location	Air District	Year	Emissions (tons/yr)										Emissions (MT/yr)
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
MDAQMD													
No. 1	MDAQMD	2018	0.05	0.35	1.45	0.00	0.29	0.01	0.31	0.07	0.01	0.08	243.94
	MDAQMD	2019	0.29	4.71	7.12	0.01	0.40	0.24	0.64	0.10	0.24	0.34	1093.42
	MDAQMD	2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No. 2a	MDAQMD	2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MDAQMD	2019	0.30	4.69	7.34	0.01	0.46	0.24	0.70	0.12	0.24	0.35	1136.88
	MDAQMD	2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compressor Station	MDAQMD	2018	0.03	0.48	0.90	0.00	0.08	0.03	0.10	0.02	0.03	0.05	150.17
	MDAQMD	2019	0.28	5.09	8.03	0.01	0.30	0.28	0.57	0.08	0.27	0.35	1150.03
	MDAQMD	2020	0.07	1.26	1.98	0.00	0.07	0.07	0.14	0.02	0.07	0.09	280.63
Hydrostatic Testing	MDAQMD	2018	0.03	0.18	0.18	0.0003	---	0.01	0.01	---	0.01	0.01	36.62
	MDAQMD	2019	0.03	0.18	0.18	0.0003	---	0.01	0.01	---	0.01	0.01	36.62
	MDAQMD	2020	0.03	0.18	0.18	0.0003	---	0.01	0.01	---	0.01	0.01	36.62
Horizontal Directional Drilling	MDAQMD	2018	0.07	0.45	0.45	0.0009	---	0.03	0.03	---	0.02	0.02	91.54
	MDAQMD	2019	0.07	0.45	0.45	0.0009	---	0.03	0.03	---	0.02	0.02	91.54
	MDAQMD	2020	0.07	0.45	0.45	0.0009	---	0.03	0.03	---	0.02	0.02	91.54
Annual Total Emissions - 2018			0.181	1.466	2.976	0.006	0.4	0.1	0.446	0.1	0.1	0.163	522.267
Annual Total Emissions - 2019			0.96	15.12	23.13	0.04	1.16	0.8	1.95	0.30	0.8	1.08	3,508.49
Annual Total Emissions - 2020			0.165	1.885	2.607	0.005	0.1	0.1	0.179	0.0	0.1	0.122	408.786
Max Annual Emissions			0.96	15.12	23.13	0.04	1.16	0.79	1.95	0.30	0.78	1.08	3,508.49
MDAQMD Annual Significance Thresholds			25	25	100	25	---	---	15	---	---	15	---
Exceed MDAQMD Significance Thresholds?			No	No	No	No	---	---	No	---	---	No	---

SCAQMD													
No. 2b	SCAQMD	2018	---	---	---	---	---	---	---	---	---	---	0.0
	SCAQMD	2019	---	---	---	---	---	---	---	---	---	---	1170.1
	SCAQMD	2020	---	---	---	---	---	---	---	---	---	---	0.0
No. 3	SCAQMD	2018	---	---	---	---	---	---	---	---	---	---	0.0
	SCAQMD	2019	---	---	---	---	---	---	---	---	---	---	1641.0
	SCAQMD	2020	---	---	---	---	---	---	---	---	---	---	0.0
No. 4	SCAQMD	2018	---	---	---	---	---	---	---	---	---	---	589.1
	SCAQMD	2019	---	---	---	---	---	---	---	---	---	---	1905.7
	SCAQMD	2020	---	---	---	---	---	---	---	---	---	---	0.0
No. 5a	SCAQMD	2018	---	---	---	---	---	---	---	---	---	---	410.6
	SCAQMD	2019	---	---	---	---	---	---	---	---	---	---	1394.0
	SCAQMD	2020	---	---	---	---	---	---	---	---	---	---	0.0
No. 5b	SCAQMD	2018	---	---	---	---	---	---	---	---	---	---	0.0
	SCAQMD	2019	---	---	---	---	---	---	---	---	---	---	256.1
	SCAQMD	2020	---	---	---	---	---	---	---	---	---	---	0.0
No. 6	SCAQMD	2018	---	---	---	---	---	---	---	---	---	---	589.2
	SCAQMD	2019	---	---	---	---	---	---	---	---	---	---	511.8
	SCAQMD	2020	---	---	---	---	---	---	---	---	---	---	0.0
Hydrostatic Testing	SCAQMD	2018	---	---	---	---	---	---	---	---	---	---	36.62
	SCAQMD	2019	---	---	---	---	---	---	---	---	---	---	36.62
	SCAQMD	2020	---	---	---	---	---	---	---	---	---	---	36.62
Horizontal Directional Drilling	SCAQMD	2018	---	---	---	---	---	---	---	---	---	---	91.54
	SCAQMD	2019	---	---	---	---	---	---	---	---	---	---	91.54
	SCAQMD	2020	---	---	---	---	---	---	---	---	---	---	0.00
Pressure Limiting Station	SCAQMD	2018	---	---	---	---	---	---	---	---	---	---	156.3
	SCAQMD	2019	---	---	---	---	---	---	---	---	---	---	1,171.8
	SCAQMD	2020	---	---	---	---	---	---	---	---	---	---	189.1
Annual Total Emissions - 2018			---	---	---	---	---	---	---	---	---	---	1,873.4
Annual Total Emissions - 2019			---	---	---	---	---	---	---	---	---	---	8,178.7
Annual Total Emissions - 2020			---	---	---	---	---	---	---	---	---	---	225.7
Max Annual Emissions			---	---	---	---	---	---	---	---	---	---	8,178.7
SCAQMD Annual Significance Thresholds			---	---	---	---	---	---	---	---	---	---	10,000
Exceed SCAQMD Significance Thresholds?			---	---	---	---	---	---	---	---	---	---	No

Note:

- 1) SCAQMD construction GHG emissions is not evaluated as a standalone - the construction emissions can be amortized over the life of the project and added to the operational emissions.
- 2) Only annual emissions for CO2e is shown for SCAQMD as it is the only pollutant with annual significance thresholds.
- 3) As construction schedules are finalized, actual construction emissions are expected to be lower than presented. Emissions are expected to be lower as a result of a longer timeframe with less construction activities occurring on the same day. A reassessment of the peak construction emissions may be completed after the final construction schedule is prepared.

Air Quality Significance Thresholds

Significance Thresholds	Air District	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	GHG
Daily Significance Thresholds (lbs/day)	MDAQMD	137	137	548	137	---	---	82	---	---	82	---
Annual Significance Thresholds (tons)	MDAQMD	25	25	100	25	---	---	15	---	---	15	---
Daily Significance Thresholds (lbs/day)	SCAQMD	75	100	550	150	---	---	150	---	---	55	---
Annual Significance Thresholds (metric tons/yr)	SCAQMD	---	---	---	---	---	---	---	---	---	---	10,000

Summary of Maximum Daily Emissions - MDAQMD

Month and Year	Emissions (lbs/day)										
	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Oct-18	2.49	25.13	67.27	0.15	11.43	1.14	12.57	2.85	1.12	3.97	12,848.18
Nov-18	5.94	47.57	89.71	0.20	11.43	1.14	13.87	2.85	1.12	5.16	17,425.14
Dec-18	7.33	56.55	98.68	0.21	11.43	1.14	14.39	2.85	1.12	5.64	19,255.92
Jan-19	14.33	190.95	271.72	0.50	11.71	8.26	21.70	3.15	8.22	13.01	46,636.27
Feb-19	21.68	311.46	451.08	0.84	22.37	14.41	37.14	5.65	14.33	21.62	77,198.91
Mar-19	21.68	311.46	451.08	0.84	22.37	14.41	37.14	5.65	14.33	21.62	77,198.91
Apr-19	22.15	309.51	469.34	0.86	22.37	14.41	37.14	5.65	14.33	21.61	76,915.96
May-19	14.59	189.90	282.02	0.51	13.07	8.26	21.70	3.15	8.22	13.01	47,500.29
Jun-19	14.59	189.90	282.02	0.51	13.07	8.26	21.70	3.15	8.22	13.01	47,500.29
Jul-19	3.58	47.85	72.25	0.12	2.41	2.12	4.96	0.65	2.11	3.21	11,683.53
Aug-19	3.58	47.85	72.25	0.12	2.41	2.12	4.96	0.65	2.11	3.21	11,683.53
Sep-19	3.58	47.85	72.25	0.12	2.41	2.12	4.96	0.65	2.11	3.21	11,683.53
Oct-19	3.52	47.99	69.91	0.12	2.41	2.12	4.96	0.65	2.11	3.21	9,667.21
Nov-19	3.52	47.99	69.91	0.12	2.41	2.12	4.96	0.65	2.11	3.21	9,667.21
Dec-19	3.52	47.99	69.91	0.12	2.41	2.12	4.96	0.65	2.11	3.21	9,667.21
Jan-20	3.48	47.59	69.16	0.12	2.32	2.11	4.95	0.62	2.10	3.20	9,454.45
Feb-20	3.48	47.59	69.16	0.12	2.32	2.11	4.95	0.62	2.10	3.20	9,454.45
Mar-20	3.48	47.59	69.16	0.12	2.32	2.11	4.95	0.62	2.10	3.20	9,454.45
Maximum Daily Emissions (lbs/day)	22.15	311.46	469.34	0.86	22.37	14.41	37.14	5.65	14.33	21.62	77,198.91
MDAQMD Daily Significance Thresholds	137	137	548	137	---	---	82	---	---	82	---
Exceed MDAQMD Daily Significance Thresholds?	No	Yes	No	No	---	---	No	---	---	No	---

As construction schedules are finalized, actual construction emissions are expected to be lower than presented. Emissions are expected to be lower as a result of a longer timeframe with less construction activities occurring on the same day. A reassessment of the peak construction emissions may be completed after the final construction schedule is prepared.

MDAQMD - Maximum Daily Construction Emissions

Oct-18

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 1	MDAQMD	Oct-18	1.51	10.55	40.86	0.10	9.02	0.35	9.38	2.20	0.34	2.54	7901.15
Compressor Station	MDAQMD	Oct-18	0.99	14.58	26.41	0.06	2.41	0.79	3.20	0.65	0.78	1.42	4947.03
Total			2.49	25.13	67.27	0.15	11.43	1.14	12.57	2.85	1.12	3.97	12848.18

Nov-18

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 1	MDAQMD	Nov-18	1.51	10.55	40.86	0.10	9.02	0.35	9.38	2.20	0.34	2.54	7901.15
Compressor Station	MDAQMD	Nov-18	0.99	14.58	26.41	0.06	2.41	0.79	3.20	0.65	0.78	1.42	4947.03
Horizontal Directional Drilling	MDAQMD	Nov-18	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			5.94	47.57	89.71	0.20	11.43	1.14	13.87	2.85	1.12	5.16	17425.14

Dec-18

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 1	MDAQMD	Dec-18	1.51	10.55	40.86	0.10	9.02	0.35	9.38	2.20	0.34	2.54	7901.15
Compressor Station	MDAQMD	Dec-18	0.99	14.58	26.41	0.06	2.41	0.79	3.20	0.65	0.78	1.42	4947.03
Hydrostatic Testing	MDAQMD	Dec-18	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	MDAQMD	Dec-18	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			7.33	56.55	98.68	0.21	11.43	1.14	14.39	2.85	1.12	5.64	19255.92

Jan-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 1	MDAQMD	Jan-19	7.35	120.51	179.37	0.34	9.30	6.15	15.45	2.50	6.11	8.61	30562.31
Compressor Station	MDAQMD	Jan-19	2.14	39.02	60.93	0.10	2.41	2.12	4.44	0.65	2.11	2.73	9666.21
Hydrostatic Testing	MDAQMD	Jan-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	MDAQMD	Jan-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			14.33	190.95	271.72	0.50	11.71	8.26	21.70	3.15	8.22	13.01	46636.27

Feb. 2019

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 1	MDAQMD	Feb-19	7.35	120.51	179.37	0.34	9.30	6.15	15.45	2.50	6.11	8.61	30562.31
No. 2a	MDAQMD	Feb-19	7.35	120.51	179.37	0.34	10.66	6.15	15.45	2.50	6.11	8.61	30562.65
Compressor Station	MDAQMD	Feb-19	2.14	39.02	60.93	0.10	2.41	2.12	4.44	0.65	2.11	2.73	9666.21
Hydrostatic Testing	MDAQMD	Feb-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	MDAQMD	Feb-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			21.68	311.46	451.08	0.84	22.37	14.41	37.14	5.65	14.33	21.62	77198.91

Mar. 2019

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 1	MDAQMD	Mar-19	7.35	120.51	179.37	0.34	9.30	6.15	15.45	2.50	6.11	8.61	30562.31
No. 2a	MDAQMD	Mar-19	7.35	120.51	179.37	0.34	10.66	6.15	15.45	2.50	6.11	8.61	30562.65
Compressor Station	MDAQMD	Mar-19	2.14	39.02	60.93	0.10	2.41	2.12	4.44	0.65	2.11	2.73	9666.21
Hydrostatic Testing	MDAQMD	Mar-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	MDAQMD	Mar-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			21.68	311.46	451.08	0.84	22.37	14.41	37.14	5.65	14.33	21.62	77198.91

Apr-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 1	MDAQMD	Apr-19	7.56	119.61	187.32	0.35	9.30	6.15	15.45	2.50	6.11	8.61	31239.46
No. 2a	MDAQMD	Apr-19	7.56	119.61	187.32	0.35	10.66	6.15	15.45	2.50	6.11	8.61	31239.80
Compressor Station	MDAQMD	Apr-19	2.20	38.87	63.27	0.11	2.41	2.12	4.44	0.65	2.11	2.73	9852.75
Hydrostatic Testing	MDAQMD	Apr-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	7.00
Horizontal Directional Drilling	MDAQMD	Apr-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			22.15	309.51	469.34	0.86	22.37	14.41	37.14	5.65	14.33	21.61	76915.96

May-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 2a	MDAQMD	May-19	7.56	119.61	187.32	0.35	10.66	6.15	15.45	2.50	6.11	8.61	31239.80
Compressor Station	MDAQMD	May-19	2.20	38.87	63.27	0.11	2.41	2.12	4.44	0.65	2.11	2.73	9852.75
Hydrostatic Testing	MDAQMD	May-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	MDAQMD	May-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			14.59	189.90	282.02	0.51	13.07	8.26	21.70	3.15	8.22	13.01	47500.29

Jun-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 2a	MDAQMD	Jun-19	7.56	119.61	187.32	0.35	10.66	6.15	15.45	2.50	6.11	8.61	31239.80
Compressor Station	MDAQMD	Jun-19	2.20	38.87	63.27	0.11	2.41	2.12	4.44	0.65	2.11	2.73	9852.75
Hydrostatic Testing	MDAQMD	Jun-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	MDAQMD	Jun-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			14.59	189.90	282.02	0.51	13.07	8.26	21.70	3.15	8.22	13.01	47500.29

Jul-19

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Compressor Station	MDAQMD	Jul-19	2.20	38.87	63.27	0.11	2.41	2.12	4.44	0.65	2.11	2.73	9852.75
Hydrostatic Testing	MDAQMD	Jul-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
		Total	3.58	47.85	72.25	0.12	2.41	2.12	4.96	0.65	2.11	3.21	11683.53

Aug-19

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Compressor Station	MDAQMD	Aug-19	2.20	38.87	63.27	0.11	2.41	2.12	4.44	0.65	2.11	2.73	9852.75
Hydrostatic Testing	MDAQMD	Aug-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
		Total	3.58	47.85	72.25	0.12	2.41	2.12	4.96	0.65	2.11	3.21	11683.53

Sep-19

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Compressor Station	MDAQMD	Sep-19	2.20	38.87	63.27	0.11	2.41	2.12	4.44	0.65	2.11	2.73	9852.75
Hydrostatic Testing	MDAQMD	Sep-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
		Total	3.58	47.85	72.25	0.12	2.41	2.12	4.96	0.65	2.11	3.21	11683.53

Oct-19

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Compressor Station	MDAQMD	Oct-19	2.14	39.02	60.93	0.10	2.41	2.12	4.44	0.65	2.11	2.73	9666.21
Hydrostatic Testing	MDAQMD	Oct-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1.00
		Total	3.52	47.99	69.91	0.12	2.41	2.12	4.96	0.65	2.11	3.21	9667.21

Nov-19

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Compressor Station	MDAQMD	Nov-19	2.14	39.02	60.93	0.10	2.41	2.12	4.44	0.65	2.11	2.73	9666.21
Hydrostatic Testing	MDAQMD	Nov-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1.00
		Total	3.52	47.99	69.91	0.12	2.41	2.12	4.96	0.65	2.11	3.21	9667.21

Dec-19

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Compressor Station	MDAQMD	Dec-19	2.14	39.02	60.93	0.10	2.41	2.12	4.44	0.65	2.11	2.73	9666.21
Hydrostatic Testing	MDAQMD	Dec-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1.00
		Total	3.52	47.99	69.91	0.12	2.41	2.12	4.96	0.65	2.11	3.21	9667.21

Jan-20

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Compressor Station	MDAQMD	Jan-20	2.10	38.61	60.19	0.10	2.32	2.11	4.43	0.62	2.10	2.72	9454.45
Hydrostatic Testing	MDAQMD	Jan-20	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	0.00
		Total	3.48	47.59	69.16	0.12	2.32	2.11	4.95	0.62	2.10	3.20	9454.45

Feb-20

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Compressor Station	MDAQMD	Feb-20	2.10	38.61	60.19	0.10	2.32	2.11	4.43	0.62	2.10	2.72	9454.45
Hydrostatic Testing	MDAQMD	Feb-20	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	0.00
		Total	3.48	47.59	69.16	0.12	2.32	2.11	4.95	0.62	2.10	3.20	9454.45

Mar-20

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Compressor Station	MDAQMD	Mar-20	2.10	38.61	60.19	0.10	2.32	2.11	4.43	0.62	2.10	2.72	9454.45
Hydrostatic Testing	MDAQMD	Mar-20	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	0.00
		Total	3.48	47.59	69.16	0.12	2.32	2.11	4.95	0.62	2.10	3.20	9454.45

Summary of Maximum Daily Emissions - SCAQMD

Month and Year	Emissions (lbs/day)										
	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Oct-18	16.98	294.45	411.85	0.69	9.05	16.98	26.03	2.43	16.99	19.41	64,133.26
Nov-18	20.43	316.89	434.29	0.73	9.05	16.98	27.33	2.43	16.99	20.61	68,710.22
Dec-18	21.81	325.86	443.26	0.75	9.05	16.98	27.84	2.43	16.99	21.08	70,541.00
Jan-19	22.87	350.42	475.47	0.79	9.05	18.39	29.16	2.42	18.39	22.46	72,734.27
Feb-19	30.38	473.20	650.61	1.14	18.36	24.43	44.51	4.93	24.41	30.98	106,064.29
Mar-19	30.79	474.63	648.77	1.14	18.36	24.49	44.57	4.93	24.46	31.03	106,062.43
Apr-19	30.67	473.20	651.58	1.15	18.36	24.49	44.57	4.93	24.45	31.03	95,165.60
May-19	30.67	473.20	651.58	1.15	18.36	24.49	44.57	4.93	24.45	31.03	96,991.39
Jun-19	30.67	473.20	651.58	1.15	18.36	24.49	44.57	4.93	24.45	31.03	96,991.39
Jul-19	23.15	351.26	473.77	0.80	9.05	18.45	29.21	2.42	18.44	22.51	65,039.26
Aug-19	23.15	351.26	473.77	0.80	9.05	18.45	29.21	2.42	18.44	22.51	65,039.26
Sep-19	18.04	258.63	345.38	0.59	6.84	13.04	21.60	1.83	13.02	16.50	55,498.80
Oct-19	23.69	353.34	471.83	0.79	9.05	18.51	29.28	2.43	18.49	22.55	74,574.63
Nov-19	18.13	259.13	345.04	0.59	6.84	13.04	21.60	1.83	13.02	16.50	55,154.94
Dec-19	12.56	164.86	218.22	0.38	4.62	7.57	13.92	1.24	7.56	10.44	35,715.09
Jan-20	2.14	38.84	59.44	0.11	2.33	2.10	4.42	0.62	2.09	2.72	9,668.27
Feb-20	2.14	38.84	59.44	0.11	2.33	2.10	4.42	0.62	2.09	2.72	9,668.27
Maximum Daily Emissions (lbs/day)	30.79	474.63	651.58	1.15	18.36	24.49	44.57	4.93	24.46	31.03	106,064.29
SCAQMD Daily Significance Thresholds	75	100	550	150	---	---	150	---	---	55	---
Exceed SCAQMD Daily Significance Thresholds?	No	Yes	Yes	No	---	---	No	---	---	No	---

As construction schedules are finalized, actual construction emissions are expected to be lower than presented. Emissions are expected to be lower as a result of a longer timeframe with less construction activities occurring on the same day. A reassessment of the peak construction emissions may be completed after the final construction schedule is prepared.

SCAQMD - Maximum Daily Construction Emissions

Oct-18

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 4	SCAQMD	Oct-18	5.64	94.56	127.69	0.21	2.21	5.47	7.68	0.59	5.47	6.06	19646.92
No. 5a	SCAQMD	Oct-18	5.17	92.49	129.49	0.21	2.21	5.37	7.58	0.59	5.38	5.97	19646.64
No. 6	SCAQMD	Oct-18	5.17	92.49	129.49	0.21	2.21	5.37	7.58	0.59	5.38	5.97	19648.86
Moreno PLS	SCAQMD	Oct-18	1.01	14.91	25.18	0.06	2.41	0.77	3.18	0.65	0.76	1.41	5190.84
		Total	16.98	294.45	411.85	0.69	9.05	16.98	26.03	2.43	16.99	19.41	64133.26

Nov-18

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 4	SCAQMD	Nov-18	5.64	94.56	127.69	0.21	2.21	5.47	7.68	0.59	5.47	6.06	19646.92
No. 5a	SCAQMD	Nov-18	5.17	92.49	129.49	0.21	2.21	5.37	7.58	0.59	5.38	5.97	19646.64
No. 6	SCAQMD	Nov-18	5.17	92.49	129.49	0.21	2.21	5.37	7.58	0.59	5.38	5.97	19648.86
Moreno PLS	SCAQMD	Nov-18	1.01	14.91	25.18	0.06	2.41	0.77	3.18	0.65	0.76	1.41	5190.84
Horizontal Directional Drilling	SCAQMD	Nov-18	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
		Total	20.43	316.89	434.29	0.73	9.05	16.98	27.33	2.43	16.99	20.61	68710.22

Dec-18

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 4	SCAQMD	Dec-18	5.64	94.56	127.69	0.21	2.21	5.47	7.68	0.59	5.47	6.06	19646.92
No. 5a	SCAQMD	Dec-18	5.17	92.49	129.49	0.21	2.21	5.37	7.58	0.59	5.38	5.97	19646.64
No. 6	SCAQMD	Dec-18	5.17	92.49	129.49	0.21	2.21	5.37	7.58	0.59	5.38	5.97	19648.86
Moreno PLS	SCAQMD	Dec-18	1.01	14.91	25.18	0.06	2.41	0.77	3.18	0.65	0.76	1.41	5190.84
Hydrostatic Testing	SCAQMD	Dec-18	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Dec-18	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
		Total	21.81	325.86	443.26	0.75	9.05	16.98	27.84	2.43	16.99	21.08	70541.00

Jan-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 4	SCAQMD	Jan-19	5.56	94.21	126.79	0.21	2.21	5.47	7.68	0.59	5.46	6.06	19419.70
No. 5a	SCAQMD	Jan-19	5.15	92.78	128.62	0.21	2.21	5.41	7.62	0.59	5.42	6.01	19419.41
No. 6	SCAQMD	Jan-19	5.15	92.78	128.63	0.21	2.21	5.41	7.62	0.59	5.42	6.01	19421.60
Moreno PLS	SCAQMD	Jan-19	2.17	39.23	60.01	0.11	2.41	2.10	4.43	0.65	2.10	2.72	9887.60
Hydrostatic Testing	SCAQMD	Jan-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	9.00
Horizontal Directional Drilling	SCAQMD	Jan-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			22.87	350.42	475.47	0.79	9.05	18.39	29.16	2.42	18.39	22.46	72734.27

Feb-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 2b	SCAQMD	Feb-19	7.51	122.78	175.14	0.35	9.31	6.05	15.36	2.50	6.02	8.52	31508.24
No. 4	SCAQMD	Feb-19	5.56	94.21	126.79	0.21	2.21	5.47	7.68	0.59	5.46	6.06	19419.70
No. 5a	SCAQMD	Feb-19	5.15	92.78	128.62	0.21	2.21	5.41	7.62	0.59	5.42	6.01	19419.41
No. 6	SCAQMD	Feb-19	5.15	92.78	128.63	0.21	2.21	5.41	7.62	0.59	5.42	6.01	19421.60
Moreno PLS	SCAQMD	Feb-19	2.17	39.23	60.01	0.11	2.41	2.10	4.43	0.65	2.10	2.72	9887.60
Hydrostatic Testing	SCAQMD	Feb-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Feb-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			30.38	473.20	650.61	1.14	18.36	24.43	44.51	4.93	24.41	30.98	106064.29

Mar-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 2b	SCAQMD	Mar-19	7.51	122.78	175.14	0.35	9.31	6.05	15.36	2.50	6.02	8.52	31508.24
No. 3	SCAQMD	Mar-19	5.56	94.21	126.79	0.21	2.21	5.47	7.68	0.59	5.46	6.06	19419.74
No. 4	SCAQMD	Mar-19	5.56	94.21	126.79	0.21	2.21	5.47	7.68	0.59	5.46	6.06	19419.70
No. 5a	SCAQMD	Mar-19	5.15	92.78	128.62	0.21	2.21	5.41	7.62	0.59	5.42	6.01	19419.41
Moreno PLS	SCAQMD	Mar-19	2.17	39.23	60.01	0.11	2.41	2.10	4.43	0.65	2.10	2.72	9887.60
Hydrostatic Testing	SCAQMD	Mar-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Mar-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			30.79	474.63	648.77	1.14	18.36	24.49	44.57	4.93	24.46	31.03	106062.43

Apr-19

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 2b	SCAQMD	Apr-19	7.51	121.94	177.81	0.35	9.31	6.05	15.36	2.50	6.02	8.52	31952.13
No. 3	SCAQMD	Apr-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.78
No. 4	SCAQMD	Apr-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.74
No. 5a	SCAQMD	Apr-19	5.11	92.63	128.39	0.21	2.21	5.41	7.62	0.59	5.42	6.01	9540.46
Moreno PLS	SCAQMD	Apr-19	2.17	39.08	60.85	0.11	2.41	2.10	4.43	0.65	2.10	2.72	10009.54
Hydrostatic Testing	SCAQMD	Apr-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	5.00
Horizontal Directional Drilling	SCAQMD	Apr-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			30.67	473.20	651.58	1.15	18.36	24.49	44.57	4.93	24.45	31.03	95165.60

May-19

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 2b	SCAQMD	May-19	7.51	121.94	177.81	0.35	9.31	6.05	15.36	2.50	6.02	8.52	31952.13
No. 3	SCAQMD	May-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.78
No. 4	SCAQMD	May-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.74
No. 5a	SCAQMD	May-19	5.11	92.63	128.39	0.21	2.21	5.41	7.62	0.59	5.42	6.01	9540.46
Moreno PLS	SCAQMD	May-19	2.17	39.08	60.85	0.11	2.41	2.10	4.43	0.65	2.10	2.72	10009.54
Hydrostatic Testing	SCAQMD	May-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	May-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			30.67	473.20	651.58	1.15	18.36	24.49	44.57	4.93	24.45	31.03	96991.39

Jun-19

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 2b	SCAQMD	Jun-19	7.51	121.94	177.81	0.35	9.31	6.05	15.36	2.50	6.02	8.52	31952.13
No. 3	SCAQMD	Jun-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.78
No. 4	SCAQMD	Jun-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.74
No. 5a	SCAQMD	Jun-19	5.11	92.63	128.39	0.21	2.21	5.41	7.62	0.59	5.42	6.01	9540.46
Moreno PLS	SCAQMD	Jun-19	2.17	39.08	60.85	0.11	2.41	2.10	4.43	0.65	2.10	2.72	10009.54
Hydrostatic Testing	SCAQMD	Jun-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Jun-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			30.67	473.20	651.58	1.15	18.36	24.49	44.57	4.93	24.45	31.03	96991.39

Jul-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 3	SCAQMD	Jun-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.78
No. 4	SCAQMD	Jun-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.74
No. 5a	SCAQMD	Jun-19	5.11	92.63	128.39	0.21	2.21	5.41	7.62	0.59	5.42	6.01	9540.46
Moreno PLS	SCAQMD	Jun-19	2.17	39.08	60.85	0.11	2.41	2.10	4.43	0.65	2.10	2.72	10009.54
Hydrostatic Testing	SCAQMD	Jun-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Jun-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			23.15	351.26	473.77	0.80	9.05	18.45	29.21	2.42	18.44	22.51	65039.26

Aug-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 3	SCAQMD	Aug-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.78
No. 4	SCAQMD	Aug-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.74
No. 5a	SCAQMD	Aug-19	5.11	92.63	128.39	0.21	2.21	5.41	7.62	0.59	5.42	6.01	9540.46
Moreno PLS	SCAQMD	Aug-19	2.17	39.08	60.85	0.11	2.41	2.10	4.43	0.65	2.10	2.72	10009.54
Hydrostatic Testing	SCAQMD	Aug-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Aug-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			23.15	351.26	473.77	0.80	9.05	18.45	29.21	2.42	18.44	22.51	65039.26

Sep-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 3	SCAQMD	Sep-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.78
No. 4	SCAQMD	Sep-19	5.52	94.07	126.56	0.21	2.21	5.47	7.68	0.59	5.46	6.05	19540.74
Moreno PLS	SCAQMD	Sep-19	2.17	39.08	60.85	0.11	2.41	2.10	4.43	0.65	2.10	2.72	10009.54
Hydrostatic Testing	SCAQMD	Sep-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Sep-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
Total			18.04	258.63	345.38	0.59	6.84	13.04	21.60	1.83	13.02	16.50	55498.80

Oct-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 3	SCAQMD	Oct-19	5.56	94.21	126.79	0.21	2.21	5.47	7.68	0.59	5.46	6.06	19419.74
No. 4	SCAQMD	Oct-19	5.56	94.21	126.79	0.21	2.21	5.47	7.68	0.59	5.46	6.06	19419.70
No. 5b	SCAQMD	Oct-19	5.56	94.27	126.82	0.21	2.22	5.47	7.69	0.59	5.46	6.06	19439.85
Moreno PLS	SCAQMD	Oct-19	2.17	39.23	60.01	0.11	2.41	2.10	4.43	0.65	2.10	2.72	9887.60
Hydrostatic Testing	SCAQMD	Oct-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Oct-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
		Total	23.69	353.34	471.83	0.79	9.05	18.51	29.28	2.43	18.49	22.55	74574.63

Nov-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 3	SCAQMD	Nov-19	5.56	94.21	126.79	0.21	2.21	5.47	7.68	0.59	5.46	6.06	19419.74
No. 5b	SCAQMD	Nov-19	5.56	94.27	126.82	0.21	2.22	5.47	7.69	0.59	5.46	6.06	19439.85
Moreno PLS	SCAQMD	Nov-19	2.17	39.23	60.01	0.11	2.41	2.10	4.43	0.65	2.10	2.72	9887.60
Hydrostatic Testing	SCAQMD	Nov-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Nov-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
		Total	18.13	259.13	345.04	0.59	6.84	13.04	21.60	1.83	13.02	16.50	55154.94

Dec-19

Spread / Location	Air District	Month and Year	Emissions (lbs/day)										
			ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
No. 3	SCAQMD	Dec-19	5.56	94.21	126.79	0.21	2.21	5.47	7.68	0.59	5.46	6.06	19419.74
Moreno PLS	SCAQMD	Dec-19	2.17	39.23	60.01	0.11	2.41	2.10	4.43	0.65	2.10	2.72	9887.60
Hydrostatic Testing	SCAQMD	Dec-19	1.38	8.98	8.98	0.02	---	---	0.52	---	---	0.48	1830.78
Horizontal Directional Drilling	SCAQMD	Dec-19	3.45	22.44	22.44	0.04	---	---	1.29	---	---	1.19	4576.96
		Total	12.56	164.86	218.22	0.38	4.62	7.57	13.92	1.24	7.56	10.44	35715.09

Jan-20

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Moreno PLS	SCAQMD	Jan-20	2.1414	38.8434	59.4397	0.1061	2.3259	2.0987	4.4246	0.6219	2.0941	2.7159	9,668.27
		Total	2.14	38.84	59.44	0.11	2.33	2.10	4.42	0.62	2.09	2.72	9668.27

Feb-20

			Emissions (lbs/day)										
Spread / Location	Air District	Month and Year	ROG	NOx	CO	SO2	Fugitive PM	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	CO2e
Moreno PLS	SCAQMD	Feb-20	2.1414	38.8434	59.4397	0.1061	2.3259	2.0987	4.4246	0.6219	2.0941	2.7159	9,668.27
		Total	2.14	38.84	59.44	0.11	2.33	2.10	4.42	0.62	2.09	2.72	9668.27

Comparison of LST Daily Emissions to LST Significance Thresholds

Pollutant	Emissions (lbs/day)			
	NOx	CO	PM10 Total	PM2.5 Total
SRA 36 - West San Bernardino Mountains¹				
LST Off-Road Inventory ¹	47.52	63.56	2.59	2.59
Other Pipeline Construction	19.10	36.46	9.70	2.86
LST Daily Emissions (lbs/day)	66.62	100.02	12.29	5.46
LST Significance Thresholds (1 Acre, 50m)	148	1328	14	6
Exceed LST Daily Significance Thresholds?	No	No	No	No

¹ LST off-road inventory assumes pipeline construction equipment from Spread 2b operating concurrently (approximately 46% in any one day based on the inventory and activity schedule).

SRA 32 - Northwest San Bernardino Valley				
Spread 3	94.21	126.79	7.68	6.06
Hydrostatic Testing	8.98	8.98	0.52	0.48
Horizontal Directional Drilling	22.44	22.44	1.29	1.19
LST Daily Emissions (lbs/day)	125.63	158.21	9.49	7.72
LST Significance Thresholds (1 Acre, 200 m)	334.00	5691.00	103.00	32.00
Exceed LST Daily Significance Thresholds?	No	No	No	No

SRA 34 - Central San Bernardino Valley²				
LST Offroad Inventory	41.33	52.21	2.47	2.47
Other Pipeline Construction	4.04	12.88	2.28	0.66
LST Daily Emissions (lbs/day)	45.37	65.09	4.76	3.13
LST Significance Thresholds (1 Acre, 50m)	148	1059	13	5
Exceed LST Daily Significance Thresholds?	No	No	No	No

² LST off-road inventory assumes pipeline construction equipment from Spread 3 operating concurrently (approximately 46% in any one day based on the inventory and activity schedule).

SRA 35 - East San Bernardino Valley³				
LST Offroad Inventory	40.67	53.05	2.45	2.45
Other Pipeline Construction	4.04	12.88	2.28	0.66
LST Daily Emissions (lbs/day)	44.71	65.93	4.73	3.11
LST Significance Thresholds (1 Acre, 50m)	148	1205	12	5
Exceed LST Daily Significance Thresholds?	No	No	No	No

³ LST off-road inventory assumes pipeline construction equipment from Spread 5a operating concurrently (approximately 46% in any one day based on the inventory and activity schedule).

SRA 24 - Perris Valley⁴				
LST Offroad Inventory	40.67	53.05	2.45	2.45
Other Pipeline Construction	4.04	12.88	2.28	0.66
LST Daily Emissions (lbs/day)	44.71	65.93	4.73	3.11
LST Significance Thresholds (1 Acre, 50m)	148	887	12	4
Exceed LST Daily Significance Thresholds?	No	No	No	No

⁴ LST off-road inventory assumes pipeline construction equipment from Spread 5a operating concurrently (approximately 46% in any one day based on the inventory and activity schedule).

North South Construction Emissions - Assumptions

- Adelanto Compressor station construction schedule – 10/1/2018 – 3/31/2020 (18 months)
- Pressure Limiting station construction schedule – 10/1/2018 – 2/28/2020 (17 months)
- Pipeline construction is modeled using “Building construction” in CalEEMod
- Default horsepower and load factor for the construction equipment is used in CalEEMod
- HDD – Equipment daily process rate is based on 500 bhp equipment, 0.05 gal/bhp-hr, 8 hrs/day and 40 days/year
- Hydrostatic testing – Equipment daily process rate is based on 200 bhp equipment, 0.05 gal/bhp-hr, 8 hrs/day and 40 days/year
- Material Imported and Exported for Spread 1, 2a, 2b is based on the volume of material from trenching
- Material Exported for Spread 1, 2a, 2b is based on 50% of the volume of the trench
- Material Imported for Spread 1, 2a, 2b is based on 50% of the material exported
- Land acreage is based on 50 feet wide in open areas and 25 feet wide in urban areas and the length of the spread
- Number of Trips Off-road for the pipeline is based on the construction daily traffic estimation from the updated project description
- Number of Trips Street for the pipeline is based on the construction daily traffic estimation provided from the updated project description
- Number of Trips for the compressor station and pressure limiting station is based on the construction daily traffic estimation from the updated project description
- No equipment inventory is provided for the Pressure Limiting Station. Therefore, the compressor station equipment inventory is used to represent the equipment inventory for the Pressure Limiting Station
- Trip length of 50 miles is used for the worker and vendor and 100 miles trip length - hauling for Spread 1, 2a, 2b (Off-Road equipment)
- Street Work equipment inventory excludes the Mud system, Pump – hydro/test and drilling equipment since it is already calculated as emissions from the HDD and hydrostatic testing construction activity
- Light tower equipment (street work equipment) horsepower is changed from the default horsepower to 49 hp as it is representative of the light tower equipment
- Construction emissions are based on Tier 3 off-road construction equipment
- Each pipeline construction “Spread” in MDAQMD uses the Off-road equipment inventory and represented in CalEEMod with a Site Preparation and Building Construction phase. Each of these are separated in time (they do not overlap) and all emissions from all equipment listed for each phase is assumed to be operating from the start to end of the schedule for that phase.

Horizontal Directional Drilling (HDD) - Construction Emissions

PROCESS EQUIPMENT DESCRIPTION: Diesel Engine, Nonroad Tier 3
FUEL TYPE/PROCESS INFORMATION: California Ultra Low Sulfur Diesel, 15 ppmw S

DAILY PROCESS RATE	200	gal/day
Number of Days (optional)	40	days
PROJECT TOTAL PROCESS RATE	8000	gallons

Note:

- Daily Process rate is based on 500 bhp (373 kW) equipment, 0.05 gal/bhp-hr and 8 hrs/day
- There is no provision in CalEEMod for HDD. Therefore, the emissions from HDD is calculated using this Excel spreadsheet.

EMITTENT	Emission Factor		Daily Emissions		Project Total Emissions		
	g/BHP-hr	lb/mgal	lbs/day	kg/day	pounds	tons	MT
Nonmethane Hydrocarbons (VOC as CH ₄)	0.4	17.3	3.5	1.6	138.1	0.069	0.063
Carbon Monoxide (CO)	2.6	112.2	22.4	10.2	897.7	0.449	0.407
Oxides of Nitrogen (as NO ₂)	2.6	112.2	22.4	10.2	897.7	0.449	0.407
Sulfur Dioxide (SO ₂)	0.005	0.2	0.0	0.0	1.7	0.001	0.001
Respirable Particulates (as PM ₁₀)	0.150	6.5	1.3	0.6	51.8	0.026	0.023
Fine Particulates (as PM _{2.5})	0.138	6.0	1.2	0.5	47.6	0.024	0.022
Carbon Dioxide (GHG - CO ₂)	521	22,484.9	4,497.0	2,039.8	179,879.6	89.940	81.593
Nitrous Oxide (GHG - N ₂ O)	0.013	0.6	0.1	0.1	4.5	0.002	0.002
Methane (GHG - CH ₄)	0.030	1.3	0.3	0.1	10.4	0.005	0.005
CO ₂ Equivalentents (CO ₂ e)	530	22,884.8	4,577.0	2,076.1	183,078.4	91.539	83.044

Nonroad Tier 3 (40 CFR 89.112 & 13 CCR 2423):

NMHC + NO_x = 3.0 g/bhp-hr
 NO_x = 2.6 g/bhp-hr (87%)
 VOC = 0.4 g/bhp-hr (13%)
 CO = 2.6 g/bhp-hr
 PM₁₀ = 0.15 g/bhp-hr
 PM_{2.5} = 92% of PM₁₀ per EMFAC average for diesels
 SO₂ = 0.005 g/bhp-hr (15 ppmw S, 19300 BTU/lb)
 CO₂ = 521 g/bhp-hr (164 lb/mmBTU, AP-42 Table 3.3-1)
 N₂O = 0.013 g/bhp-hr (0.08 g/kg fuel, Annex 3, Table A-108, US GHG Inventory)
 CH₄ = 0.029 g/bhp-hr (0.18 g/kg fuel, Annex 3, Table A-108, US GHG Inventory)
 CO₂ based on AP-42 Table 3.3-1 = 164 lb/mmBTU
 CO₂e based on 2015 EPA GWPs: CO₂ = 1, CH₄ = 25, N₂O = 298
 Ref: Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2013, EPA-430-R-15-004, April 2015

Calculation constants:

Default Heat Rate = 7,000 BTU/BHP-hr per AP-42 Table 3.3-1
 Default diesel fuel HHV (mass) = 19,300 BTU/lb per AP-42 Tables 3.3-1 & 3.4-1
 Default diesel fuel density = 7.1 lb/gal per AP-42 Table 3.4-1 (sp gr = 0.852)
 Default diesel fuel HHV (volume) = (19,300 BTU/lb) (7.1 lb/gal) = 137,030 BTU/gal
 Units conversion factor: 453.59 g/lb
 Units conversion factor: 0.45359 kg/lb

Hydrostatic Testing (hydrotest)- Construction Emissions

PROCESS EQUIPMENT DESCRIPTION: Diesel Engine, Nonroad Tier 3
FUEL TYPE/PROCESS INFORMATION: California Ultra Low Sulfur Diesel, 15 ppmw S

DAILY PROCESS RATE	80	gal/day
Number of Days (optional)	40	days
PROJECT TOTAL PROCESS RATE	3200	gallons

Note:

- Daily Process rate is based on 200 bhp equipment, 0.05 gal/bhp-hr and 8 hrs/day
- There is no provision in CalEEMod for hydrostatic testing equipment/activity. Therefore, the emissions from hydrostatic testing equipment/activity is calculated using this Excel spreadsheet.

EMITTENT	Emission Factor		Daily Emissions		Project Total Emissions		
	g/BHP-hr	lb/mgal	lbs/day	kg/day	pounds	tons	MT
Nonmethane Hydrocarbons (VOC as CH ₄)	0.4	17.3	1.4	0.6	55.2	0.028	0.025
Carbon Monoxide (CO)	2.6	112.2	9.0	4.1	359.1	0.180	0.163
Oxides of Nitrogen (as NO ₂)	2.6	112.2	9.0	4.1	359.1	0.180	0.163
Sulfur Dioxide (SO ₂)	0.005	0.2	0.0	0.0	0.7	0.000	0.000
Respirable Particulates (as PM ₁₀)	0.150	6.5	0.5	0.2	20.7	0.010	0.009
Fine Particulates (as PM _{2.5})	0.138	6.0	0.5	0.2	19.1	0.010	0.009
Carbon Dioxide (GHG - CO ₂)	521	22,484.9	1,798.8	815.9	71,951.8	35.976	32.637
Nitrous Oxide (GHG - N ₂ O)	0.013	0.6	0.0	0.0	1.8	0.001	0.001
Methane (GHG - CH ₄)	0.030	1.3	0.1	0.0	4.1	0.002	0.002
CO ₂ Equivalents (CO ₂ e)	530	22,884.8	1,830.8	830.4	73,231.4	36.616	33.218

Nonroad Tier 3 (40 CFR 89.112 & 13 CCR 2423):

NMHC + NO_x = 3.0 g/bhp-hr
 NO_x = 2.6 g/bhp-hr (87%)
 VOC = 0.4 g/bhp-hr (13%)
 CO = 2.6 g/bhp-hr
 PM₁₀ = 0.15 g/bhp-hr
 PM_{2.5} = 92% of PM₁₀ per EMFAC average for diesels
 SO₂ = 0.005 g/bhp-hr (15 ppmw S, 19300 BTU/lb)
 CO₂ = 521 g/bhp-hr (164 lb/mmBTU, AP-42 Table 3.3-1)
 N₂O = 0.013 g/bhp-hr (0.08 g/kg fuel, Annex 3, Table A-108, US GHG Inventory)
 CH₄ = 0.029 g/bhp-hr (0.18 g/kg fuel, Annex 3, Table A-108, US GHG Inventory)
 CO₂ based on AP-42 Table 3.3-1 = 164 lb/mmBTU
 CO₂e based on 2015 EPA GWPs: CO₂ = 1, CH₄ = 25, N₂O = 298
 Ref: Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2013, EPA-430-R-15-004, April 2015

Calculation constants:

Default Heat Rate = 7,000 BTU/BHP-hr per AP-42 Table 3.3-1
 Default diesel fuel HHV (mass) = 19,300 BTU/lb per AP-42 Tables 3.3-1 & 3.4-1
 Default diesel fuel density = 7.1 lb/gal per AP-42 Table 3.4-1 (sp gr = 0.852)
 Default diesel fuel HHV (volume) = (19,300 BTU/lb) (7.1 lb/gal) = 137,030 BTU/gal
 Units conversion factor: 453.59 g/lb
 Units conversion factor: 0.45359 kg/lb

Material Movement - Material Imported and Exported - Spread 1, 2a

Spread	Width (feet)	Depth (feet)	Length (miles)	Length (feet)	Volume (cubic feet)	Volume (cubic yards)	Material Exported (cubic yards)	Material Imported (cubic yards)
1	5	8	12	63,360	2,534,400	93,867	46,933	23,467
2a	5	8	8.5	44,880	1,795,200	66,489	33,244	16,622
2b	5	8	1.7	8,976	359,040	13,298	6,649	3,324

Land Acreage

	Width (feet)	Width (miles)	Length (miles)	Area (sq. miles)	Area (acres)
Spread 1	50	0.00947	12	0.114	72.727
Spread 2a	50	0.00947	8.5	0.080	51.515
Spread 2b	50	0.00947	1.7	0.016	10.303
Spread 3	25	0.00473	9.8	0.046	29.697
Spread 4	25	0.00473	13	0.062	39.394
Spread 5a	25	0.00473	6.8	0.032	20.606
Spread 5b	25	0.00473	4	0.019	12.121
Spread 6	25	0.00473	9.3	0.044	28.182

North South Project - Off Road Equipment

Equipment Description	Equipment Type in CalEEMod	Unit Amount (per Crew)	Hours/Day	HP
PICKUP- 3/4 TON (2WD)	---	19	8	---
1 TON FLATBED (4WD)	---	3	8	---
1 TON WELD TRUCK	---	13	6	---
1 TON SERVICE/UTILITY	---	1	6	---
2 TON FLATBED (2WD)	---	10	6	---
3 AX FLATBED W/22+ TON CRANE	Cranes	1	8	46
2 TON FUEL & LUBE TRUCK	---	1	6	---
2 TON SANDBLAST	Other Construction Equipment	1	6	171
3 AX LOWBED TRACTOR	Tractors/Loaders/Backhoes	3	8	97
3 AX WATER TRUCK 6X6	---	6	8	---
TRAILER- FLOAT	<i>No emissions from trailers</i>	1	0	---
TRAILER- LOWBED	<i>No emissions from trailers</i>	5	0	---
TRAILER- OFFICE	<i>No emissions from trailers</i>	2	0	---
FORKLIFT- 10,000 # & OVER	Forklifts	1	6	89
D-8 BULLDOZER	Other Construction Equipment	2	8	171
D-7 BULLDOZER W/ WINCH	Other Construction Equipment	4	6	171
14G GRADER	Graders	1	8	174
OUTLAW PADDER	Other Construction Equipment	2	8	171
FOAM UNIT	Other Construction Equipment	1	6	171
PIPELAYER- 572 SIZE	Other Construction Equipment	2	6	171
PIPELAYER- 583 SIZE	Other Construction Equipment	4	6	171
EXCAVATOR- CAT 330 SIZE	Excavators	4	8	162
EXCAVATOR- CAT 345 SIZE W/ HOE RAM	Excavators	1	6	89
BENDING MACHINE 6-20" 36"	Other Construction Equipment	1	6	171
BACKHOE- RTBH	Tractors/Loaders/Backhoes	3	6	80
R.T. CRANE- 25 TO 50 TON	Cranes	3	4	226
AIR COMPRESSOR- 175 TO 475CFM	Air Compressors	5	4	78
WELD MACHINE- 200 AMP	Welders	14	8	46
BORING MACHINE	Bore/Drill Rigs	1	8	205
PIPE HAUL TRUCK	---	3	8	---
COMPRESSOR 300 PSI	Air Compressors	2	6	78

Green denotes on-road equipment. Emissions from on-road equipment are calculated in CalEEMod based on the number and length of on-road vehicle trips and vehicle fleet.

North South Project - Street Work Equipment

Equipment Description	Equipment Type in CalEEMod	Unit Amount (per Crew)	Hours/Day	HP
PICKUP- 3/4 TON (2WD)		20	5	---
1 TON FLATBED (4WD)		3	6	---
1 TON WELD TRUCK		14	4	---
1 TON SERVICE/UTILITY		3	6	---
2 TON FLATBED (2WD)		9	4	---
3 AX FLATBED W/22+ TON CRANE	Cranes	2	5	226
2 TON FUEL & LUBE TRUCK		1	6	---
2 TON SANDBLAST	Other Construction Equipment	2	4	171
3 AX LOWBED TRACTOR	Tractors/Loaders/Backhoes	5	6	97
3 AX WATER TRUCK 6X6		2	2	---
HYDROEXCAVATOR TRUCK MOUNTED		1	4	---
TRAILER- FLOAT	<i>No emissions from trailers</i>	1	0	---
TRAILER- LOWBED	<i>No emissions from trailers</i>	5	0	---
TRAILER- OFFICE	<i>No emissions from trailers</i>	2	0	---
FORKLIFT- 10,000# & OVER	Forklifts	2	4	89
PIPELAYER- 572 SIZE	Other Construction Equipment	3	4	171
PIPELAYER- 583 SIZE	Other Construction Equipment	2	4	171
EXCAVATOR- CAT 330 SIZE	Excavators	1	5	162
BENDING MACHINE 6-20" 36"	Other Construction Equipment	1	4	171
BACKHOE- RTBH	Tractors/Loaders/Backhoes	6	4	97
R.T. CRANE- 25 TO 50 TON	Cranes	4	5	226
AIR COMPRESSOR- 175 TO 475CFM	Air Compressors	8	4	78
AIR COMP- 1500CFM	Air Compressors	2	6	78
WELD MACHINE- 200 AMP	Welders	14	5	46
PUMP- FILL	Pumps	1	5	84
TRIPLEX PUMP	Pumps	1	6	84
GODWIN 6" PUMP	Pumps	2	4	84
LIGHT TOWER	Generator Sets	6	2	49
POWER GENERATOR	Generator Sets	3	6	84
BORING MACHINE	Bore/Drill Rigs	1	4	205
PIPE HAUL TRUCK		2	4	---
SAW	Concrete/Industrial Saws	2	4	81
12 CY DUMP TRUCK		20	5	---
ROLLER 5 TON	Rollers	2	5	80
STREET SWEEPER		2	4	---
GRINDING MACHINE	Other Construction Equipment	1	4	171
PAVING MACHINE	Pavers	1	4	125
COMPRESSOR 300 PSI	Air Compressors	2	4	78

Green denotes on-road equipment. Emissions from on-road equipment are calculated in CalEEMod based on the number and length of on-road vehicle trips and vehicle fleet

North South Project - Compressor Station and Pressure Limiting Station Construction

Equipment Description	Equipment Type in CalEEMod	Unit Amount - Site Prep	Unit Amount - Building Construction	Hours/Day	HP
Pickup truck			4	8	---
Side boom	Other construction equipment		2	8	171
Welding rig			7	8	---
Gang truck			1	8	---
Compressor	Air compressor		2	8	78
Water truck			1	8	---
Back hoe	Tractors/Loaders/Backhoes		3	8	97
Track hoe	Other construction equipment		1	8	171
Dozer	Other construction equipment		1	8	171
Scrapper	Other construction equipment	1	0	8	205
Loader	Tractors/Loaders/Backhoes	1	1	8	97
Trencher	<i>Trenchers</i>		1	8	80
Dump truck			2	8	---
Flatbed truck			2	8	---
Truck tractor and float trailer	Tractors/Loaders/Backhoes		1	8	97
Boom truck			2	8	---
Wacker/compactor	Other construction equipment	1	2	8	171
Steam roller	Rollers		1	8	80
Pipe hauling truck			2	8	---
Fuel truck			1	8	---
Diesel test pump (hydro test)	Pumps		1	8	84
Light plant	Generator sets	2	0	8	84
Crane	Cranes		2	8	226
Forklift	Forklifts		1	8	89

Green denotes on-road equipment

Note:

1) No equipment inventory is provided for the Pressure Limiting Station. Therefore, the compressor station inventory is used to represent the equipment inventory for the Pressure Limiting Station.

Pipeline Traffic - Daily Trips Off-Road

	Total Daily Trips (per Crew)
Workers	195
Pick-up Trucks	38
Heavy Truck	0
Medium Truck	14
Vendor Trips - Building Construction	42
Vendor Trips - Site Prep	7
Trips Hauling	3

Pipeline Traffic - Daily Trips Street

	Total Daily Trips (per Crew)
Workers	232
Pick-up Trucks	40
Heavy Truck	0
Medium Truck	8
Vendor Trips - Building Construction	46
Trips Hauling	2

Traffic - Daily Trips Compressor Station and Pressure Limiting Station

	Total Daily Trips (per Crew)
Workers	54
Pick-up Trucks	8
Heavy Truck	0
Medium Truck	8
Vendor Trips - Building Construction	6
Vendor Trips - Site Prep	8
Trips Hauling	2
Scrapper	1
Loader	2
Wacker/compactor	3
Light plant	2

Note:

- 1) No equipment inventory is provided for the Pressure Limiting Station. Therefore, the compressor station inventory is used to represent the equipment inventory for the Pressure Limiting Station.
- 2) Trip length for worker, vendor - 50 miles. Trip length for hauling - 100 miles.

CalEEMod Modeling Results - List of CalEEMod Runs

Summer

Spread Number	Spread Description	Mile Post	Air District
Spread 1	Koala to Baldy Mesa	0-12	MDAQMD
Spread 2a	National Forest	12-20.5	MDAQMD
Spread 2b	National Forest	20.5-22.2	SCAQMD
Spread 3	Route 66	22.2-32	SCAQMD
Spread 4	So Gardena St to Kendall	45-32	SCAQMD
Spread 5a	Reche Canyon No. 1	55.8-49	SCAQMD
N/A	Compressor Station	N/A	MDAQMD
N/A	Pressure Limiting Station	N/A	SCAQMD

Winter

Spread Number	Spread Description	Mile Post	Air District
Spread 1	Koala to Baldy Mesa	0-12	MDAQMD
Spread 2a	National Forest	12-20.5	MDAQMD
Spread 2b	National Forest	20.5-22.2	SCAQMD
Spread 3	Route 66	22.2-32	SCAQMD
Spread 4	So Gardena St to Kendall	45-32	SCAQMD
Spread 5a	Reche Canyon No. 1	55.8-49	SCAQMD
Spread 5b	Reche Canyon No. 2	49-45	SCAQMD
Spread 6	Moreno	65.1-55.8	SCAQMD
N/A	Compressor Station	N/A	MDAQMD
N/A	Pressure Limiting Station	N/A	SCAQMD

Annual

Spread Number	Spread Description	Mile Post	Air District
Spread 1	Koala to Baldy Mesa	0-12	MDAQMD
Spread 2a	National Forest	12-20.5	MDAQMD
Spread 2b	National Forest	20.5-22.2	SCAQMD
Spread 3	Route 66	22.2-32	SCAQMD
Spread 4	So Gardena St to Kendall	45-32	SCAQMD
Spread 5a	Reche Canyon No. 1	55.8-49	SCAQMD
Spread 5b	Reche Canyon No. 2	49-45	SCAQMD
Spread 6	Moreno	65.1-55.8	SCAQMD
N/A	Compressor Station	N/A	MDAQMD
N/A	Pressure Limiting Station	N/A	SCAQMD

APPENDIX B – CONSTRUCTION EMISSIONS

North-South Project - Spread 1 (Koala to Baldy Mesa)
Mojave Desert AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	72.73	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - per ARB
- Construction Phase - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Trips and VMT - per ARB
- On-road Fugitive Dust -
- Grading - per project description
- Construction Off-road Equipment Mitigation - Use of Tier 3 off-road equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1,110.00	78.00
tblConstructionPhase	NumDays	40.00	67.00
tblGrading	AcresOfGrading	33.50	72.73
tblGrading	MaterialExported	0.00	46,933.00
tblGrading	MaterialImported	0.00	23,467.00
tblLandUse	LotAcreage	0.00	72.73
tblOffRoadEquipment	HorsePower	226.00	46.00

tblOffRoadEquipment	HorsePower	97.00	80.00
tblOffRoadEquipment	HorsePower	162.00	89.00
tblOffRoadEquipment	LoadFactor	0.29	0.45
tblOffRoadEquipment	LoadFactor	0.37	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	8,800.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	42.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	195.00

tbTripsAndVMT	WorkerTripNumber	0.00	195.00
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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					
2018	2.5804	16.3041	50.4445	0.1074	9.0223	0.7280	9.7503	2.2001	0.6699	2.8700	0.0000	8,587.4172	8,587.4172	0.6150	0.0000	8,600.3319
2019	20.6060	167.6336	177.9888	0.3467	9.2984	8.9506	18.2490	2.4999	8.4194	10.9194	0.0000	31,125.3916	31,125.3916	5.4319	0.0000	31,239.4615
Total	23.1864	183.9376	228.4333	0.4541	18.3207	9.6786	27.9993	4.7000	9.0894	13.7894	0.0000	39,712.8088	39,712.8088	6.0469	0.0000	39,839.7934

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	1.7567	10.2415	50.4364	0.1074	9.0223	0.3532	9.3755	2.2001	0.3437	2.5438	0.0000	8,587.4172	8,587.4172	0.6150	0.0000	8,600.3319
2019	7.5571	119.6090	187.3242	0.3467	9.2984	6.1472	15.4455	2.4999	6.1083	8.6082	0.0000	31,125.3916	31,125.3916	5.4319	0.0000	31,239.4615
Total	9.3138	129.8505	237.7606	0.4541	18.3207	6.5003	24.8210	4.7000	6.4519	11.1520	0.0000	39,712.8088	39,712.8088	6.0469	0.0000	39,839.7934

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	59.83	29.41	-4.08	0.00	0.00	32.84	11.35	0.00	29.02	19.13	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	10/1/2018	1/1/2019	5	67	
2	Building Construction	Building Construction	1/2/2019	4/19/2019	5	78	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	174	0.41
Site Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Air Compressors	5	4.00	78	0.48
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	205	0.50
Building Construction	Cranes	1	8.00	46	0.45
Building Construction	Cranes	3	4.00	226	0.29
Building Construction	Excavators	4	8.00	162	0.38
Building Construction	Excavators	1	6.00	89	0.20
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	80	0.50
Building Construction	Welders	14	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep	2	195.00	7.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	55	195.00	42.00	3.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Prep - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2989	0.0000	1.2989	0.1467	0.0000	0.1467			0.0000			0.0000
Off-Road	1.0317	10.2824	6.4200	8.5400e-003		0.6069	0.6069		0.5583	0.5583		860.3924	860.3924	0.2679		866.0172
Total	1.0317	10.2824	6.4200	8.5400e-003	1.2989	0.6069	1.9057	0.1467	0.5583	0.7050		860.3924	860.3924	0.2679		866.0172

3.2 Site Prep - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1526	2.3392	1.8269	9.6500e-003	0.3143	0.0798	0.3941	0.0891	0.0734	0.1625		941.0526	941.0526	4.2400e-003		941.1416
Worker	1.3962	3.6824	42.1976	0.0892	7.4091	0.0413	7.4505	1.9643	0.0382	2.0025		6,785.9723	6,785.9723	0.3429		6,793.1730
Total	1.5487	6.0216	44.0244	0.0989	7.7235	0.1211	7.8446	2.0535	0.1116	2.1650		7,727.0249	7,727.0249	0.3471		7,734.3146

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					1.2989	0.0000	1.2989	0.1467	0.0000	0.1467			0.0000			0.0000
Off-Road	0.2080	4.2199	6.4120	8.5400e-003		0.2321	0.2321		0.2321	0.2321	0.0000	860.3924	860.3924	0.2679		866.0172
Total	0.2080	4.2199	6.4120	8.5400e-003	1.2989	0.2321	1.5309	0.1467	0.2321	0.3787	0.0000	860.3924	860.3924	0.2679		866.0172

3.2 Site Prep - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1526	2.3392	1.8269	9.6500e-003	0.3143	0.0798	0.3941	0.0891	0.0734	0.1625		941.0526	941.0526	4.2400e-003		941.1416
Worker	1.3962	3.6824	42.1976	0.0892	7.4091	0.0413	7.4505	1.9643	0.0382	2.0025		6,785.9723	6,785.9723	0.3429		6,793.1730
Total	1.5487	6.0216	44.0244	0.0989	7.7235	0.1211	7.8446	2.0535	0.1116	2.1650		7,727.0249	7,727.0249	0.3471		7,734.3146

3.2 Site Prep - 2019

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					1.2989	0.0000	1.2989	0.1467	0.0000	0.1467			0.0000			0.0000
Off-Road	0.9406	9.3194	6.3269	8.5400e-003		0.5404	0.5404		0.4972	0.4972		845.9798	845.9798	0.2677		851.6007
Total	0.9406	9.3194	6.3269	8.5400e-003	1.2989	0.5404	1.8393	0.1467	0.4972	0.6439		845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1421	2.0897	1.6953	9.6300e-003	0.3143	0.0746	0.3889	0.0891	0.0686	0.1577		924.3191	924.3191	4.0600e-003		924.4043
Worker	1.2188	3.3565	38.4482	0.0890	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		6,519.1568	6,519.1568	0.3203		6,525.8825
Total	1.3609	5.4462	40.1436	0.0986	7.7234	0.1153	7.8387	2.0534	0.1063	2.1598		7,443.4759	7,443.4759	0.3243		7,450.2868

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					1.2989	0.0000	1.2989	0.1467	0.0000	0.1467			0.0000			0.0000
Off-Road	0.2080	4.2199	6.4120	8.5400e-003		0.2321	0.2321		0.2321	0.2321	0.0000	845.9798	845.9798	0.2677		851.6007
Total	0.2080	4.2199	6.4120	8.5400e-003	1.2989	0.2321	1.5309	0.1467	0.2321	0.3787	0.0000	845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1421	2.0897	1.6953	9.6300e-003	0.3143	0.0746	0.3889	0.0891	0.0686	0.1577		924.3191	924.3191	4.0600e-003			924.4043
Worker	1.2188	3.3565	38.4482	0.0890	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		6,519.1568	6,519.1568	0.3203			6,525.8825
Total	1.3609	5.4462	40.1436	0.0986	7.7234	0.1153	7.8387	2.0534	0.1063	2.1598		7,443.4759	7,443.4759	0.3243			7,450.2868

3.3 Building Construction - 2019

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	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872			19,154.4398
Total	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872			19,154.4398

3.3 Building Construction - 2019

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	1.6300e-003	0.0252	0.0181	1.3000e-004	3.3700e-003	9.7000e-004	4.3300e-003	9.2000e-004	8.9000e-004	1.8100e-003		12.7124	12.7124	6.0000e-005		12.7136
Vendor	0.8524	12.5383	10.1720	0.0578	1.8859	0.4475	2.3334	0.5347	0.4117	0.9464		5,545.9143	5,545.9143	0.0244		5,546.4256
Worker	1.2188	3.3565	38.4482	0.0890	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		6,519.1568	6,519.1568	0.3203		6,525.8825
Total	2.0729	15.9201	48.6383	0.1469	9.2984	0.4892	9.7876	2.4999	0.4503	2.9502		12,077.7835	12,077.7835	0.3447		12,085.0217

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	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398
Total	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	1.6300e-003	0.0252	0.0181	1.3000e-004	3.3700e-003	9.7000e-004	4.3300e-003	9.2000e-004	8.9000e-004	1.8100e-003		12.7124	12.7124	6.0000e-005		12.7136
Vendor	0.8524	12.5383	10.1720	0.0578	1.8859	0.4475	2.3334	0.5347	0.4117	0.9464		5,545.9143	5,545.9143	0.0244		5,546.4256
Worker	1.2188	3.3565	38.4482	0.0890	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		6,519.1568	6,519.1568	0.3203		6,525.8825
Total	2.0729	15.9201	48.6383	0.1469	9.2984	0.4892	9.7876	2.4999	0.4503	2.9502		12,077.7835	12,077.7835	0.3447		12,085.0217

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

5.1 Fleet Mix

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					
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		0.0000	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

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						
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		0.0000	0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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
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10.0 Vegetation

North-South Project - Spread 2a (National Forest)
Mojave Desert AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	51.52	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - per ARB
- Construction Phase - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Trips and VMT - per ARB
- On-road Fugitive Dust -
- Grading - per project description
- Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1,110.00	76.00
tblConstructionPhase	NumDays	40.00	21.00
tblGrading	AcresOfGrading	10.50	51.52
tblGrading	MaterialExported	0.00	33,244.00
tblGrading	MaterialImported	0.00	16,622.00
tblLandUse	LotAcreage	0.00	51.52
tblOffRoadEquipment	HorsePower	226.00	46.00

tblOffRoadEquipment	HorsePower	97.00	80.00
tblOffRoadEquipment	HorsePower	162.00	89.00
tblOffRoadEquipment	LoadFactor	0.29	0.45
tblOffRoadEquipment	LoadFactor	0.37	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Prep
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	6,233.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	42.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00

tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	195.00
tblTripsAndVMT	WorkerTripNumber	0.00	195.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	2/13/2019	3/13/2019	5	21	
2	Building Construction	Building Construction	3/14/2019	6/27/2019	5	76	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	174	0.41
Site Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Air Compressors	5	4.00	78	0.48
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	205	0.50
Building Construction	Cranes	1	8.00	46	0.45
Building Construction	Cranes	3	4.00	226	0.29
Building Construction	Excavators	4	8.00	162	0.38
Building Construction	Excavators	1	6.00	89	0.20
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	80	0.50
Building Construction	Welders	14	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep	2	195.00	7.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	55	195.00	42.00	3.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Site Prep - 2019

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					2.9354	0.0000	2.9354	0.3315	0.0000	0.3315			0.0000			0.0000
Off-Road	0.9406	9.3194	6.3269	8.5400e-003		0.5404	0.5404		0.4972	0.4972		845.9798	845.9798	0.2677		851.6007
Total	0.9406	9.3194	6.3269	8.5400e-003	2.9354	0.5404	3.4759	0.3315	0.4972	0.8287		845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1421	2.0897	1.6953	9.6300e-003	0.3143	0.0746	0.3889	0.0891	0.0686	0.1577		924.3191	924.3191	4.0600e-003		924.4043
Worker	1.2188	3.3565	38.4482	0.0890	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		6,519.1568	6,519.1568	0.3203		6,525.8825
Total	1.3609	5.4462	40.1436	0.0986	7.7234	0.1153	7.8387	2.0534	0.1063	2.1598		7,443.4759	7,443.4759	0.3243		7,450.2868

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9354	0.0000	2.9354	0.3315	0.0000	0.3315			0.0000			0.0000
Off-Road	0.2080	4.2199	6.4120	8.5400e-003		0.2321	0.2321		0.2321	0.2321	0.0000	845.9798	845.9798	0.2677		851.6007
Total	0.2080	4.2199	6.4120	8.5400e-003	2.9354	0.2321	3.1675	0.3315	0.2321	0.5635	0.0000	845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1421	2.0897	1.6953	9.6300e-003	0.3143	0.0746	0.3889	0.0891	0.0686	0.1577		924.3191	924.3191	4.0600e-003			924.4043
Worker	1.2188	3.3565	38.4482	0.0890	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		6,519.1568	6,519.1568	0.3203			6,525.8825
Total	1.3609	5.4462	40.1436	0.0986	7.7234	0.1153	7.8387	2.0534	0.1063	2.1598		7,443.4759	7,443.4759	0.3243			7,450.2868

3.3 Building Construction - 2019

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	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872			19,154.4398
Total	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872			19,154.4398

3.3 Building Construction - 2019

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	1.6800e-003	0.0259	0.0186	1.4000e-004	3.4600e-003	9.9000e-004	4.4500e-003	9.5000e-004	9.1000e-004	1.8600e-003		13.0469	13.0469	6.0000e-005		13.0482
Vendor	0.8524	12.5383	10.1720	0.0578	1.8859	0.4475	2.3334	0.5347	0.4117	0.9464		5,545.9143	5,545.9143	0.0244		5,546.4256
Worker	1.2188	3.3565	38.4482	0.0890	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		6,519.1568	6,519.1568	0.3203		6,525.8825
Total	2.0729	15.9207	48.6388	0.1469	9.2985	0.4892	9.7877	2.5000	0.4503	2.9503		12,078.1180	12,078.1180	0.3447		12,085.3563

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	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398
Total	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	1.6800e-003	0.0259	0.0186	1.4000e-004	3.4600e-003	9.9000e-004	4.4500e-003	9.5000e-004	9.1000e-004	1.8600e-003		13.0469	13.0469	6.0000e-005		13.0482
Vendor	0.8524	12.5383	10.1720	0.0578	1.8859	0.4475	2.3334	0.5347	0.4117	0.9464		5,545.9143	5,545.9143	0.0244		5,546.4256
Worker	1.2188	3.3565	38.4482	0.0890	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		6,519.1568	6,519.1568	0.3203		6,525.8825
Total	2.0729	15.9207	48.6388	0.1469	9.2985	0.4892	9.7877	2.5000	0.4503	2.9503		12,078.1180	12,078.1180	0.3447		12,085.3563

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

5.1 Fleet Mix

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					
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		0.0000	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

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						
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		0.0000	0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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
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10.0 Vegetation

North-South Project - Spread 2b (National Forest)
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	10.30	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - per ARB
- Construction Phase - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Trips and VMT - per ARB
- On-road Fugitive Dust -
- Grading - per project description
- Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	250
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	250
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	76.00
tblConstructionPhase	NumDays	10.00	21.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblGrading	AcresOfGrading	10.50	10.30
tblGrading	MaterialExported	0.00	6,649.00

tblGrading	MaterialImported	0.00	3,324.00
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	10.30
tblOffRoadEquipment	HorsePower	226.00	46.00
tblOffRoadEquipment	HorsePower	97.00	80.00
tblOffRoadEquipment	HorsePower	162.00	89.00
tblOffRoadEquipment	LoadFactor	0.29	0.45
tblOffRoadEquipment	LoadFactor	0.37	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Prep
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	1,247.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripLength	6.90	50.00

tblTripsAndVMT	VendorTripLength	6.90	50.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	42.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	195.00
tblTripsAndVMT	WorkerTripNumber	0.00	195.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10

tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72

tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70

tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15

tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30

tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003

tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004

tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07

tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
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tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14

tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
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tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
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tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04

tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
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tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
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tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19

tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003

tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29

tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
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tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
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tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71

tblVehicleEF	LHD2	1.90	1.24
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tblVehicleEF	LHD2	509.57	506.20
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tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004

tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
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tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004

tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
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tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13

tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
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tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
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tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98

tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51

tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28

tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003

tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
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tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28

tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05

tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20

tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18

tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08

tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07

tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39

tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44

tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89
tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74

tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38

tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94

tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

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					
2019	20.5622	169.9622	168.4747	0.3531	9.3092	8.8494	18.1586	2.5048	8.3265	10.8313	0.0000	31,837.9763	31,837.9763	5.4358	0.0000	31,952.1274
Total	20.5622	169.9622	168.4747	0.3531	9.3092	8.8494	18.1586	2.5048	8.3265	10.8313	0.0000	31,837.9763	31,837.9763	5.4358	0.0000	31,952.1274

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					
2019	7.5133	121.9377	177.8100	0.3531	9.3092	6.0460	15.3551	2.5048	6.0153	8.5201	0.0000	31,837.9763	31,837.9763	5.4358	0.0000	31,952.1274
Total	7.5133	121.9377	177.8100	0.3531	9.3092	6.0460	15.3551	2.5048	6.0153	8.5201	0.0000	31,837.9763	31,837.9763	5.4358	0.0000	31,952.1274

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	63.46	28.26	-5.54	0.00	0.00	31.68	15.44	0.00	27.76	21.34	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	2/13/2019	3/13/2019	5	21	
2	Building Construction	Building Construction	3/14/2019	6/27/2019	5	76	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	174	0.41
Site Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Air Compressors	5	4.00	78	0.48
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	205	0.50
Building Construction	Cranes	1	8.00	46	0.45
Building Construction	Cranes	3	4.00	226	0.29
Building Construction	Excavators	4	8.00	162	0.38
Building Construction	Excavators	1	6.00	89	0.20
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	80	0.50
Building Construction	Welders	14	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep	2	195.00	7.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	55	195.00	42.00	3.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Site Prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5739	0.0000	0.5739	0.0643	0.0000	0.0643			0.0000			0.0000
Off-Road	0.9406	9.3194	6.3269	8.5400e-003		0.5404	0.5404		0.4972	0.4972		845.9798	845.9798	0.2677		851.6007
Total	0.9406	9.3194	6.3269	8.5400e-003	0.5739	0.5404	1.1143	0.0643	0.4972	0.5615		845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1622	2.6280	1.4317	0.0101	0.3161	0.0557	0.3718	0.0899	0.0512	0.1412		974.6908	974.6908	5.8800e-003		974.8143
Worker	1.0539	2.4406	30.5150	0.0923	7.4091	0.0531	7.4622	1.9643	0.0492	2.0135		6,928.5831	6,928.5831	0.3132		6,935.1596
Total	1.2161	5.0686	31.9467	0.1025	7.7252	0.1088	7.8340	2.0543	0.1004	2.1547		7,903.2739	7,903.2739	0.3191		7,909.9739

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5739	0.0000	0.5739	0.0643	0.0000	0.0643			0.0000			0.0000
Off-Road	0.2080	4.2199	6.4120	8.5400e-003		0.2321	0.2321		0.2321	0.2321	0.0000	845.9798	845.9798	0.2677		851.6007
Total	0.2080	4.2199	6.4120	8.5400e-003	0.5739	0.2321	0.8059	0.0643	0.2321	0.2964	0.0000	845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1622	2.6280	1.4317	0.0101	0.3161	0.0557	0.3718	0.0899	0.0512	0.1412		974.6908	974.6908	5.8800e-003		974.8143
Worker	1.0539	2.4406	30.5150	0.0923	7.4091	0.0531	7.4622	1.9643	0.0492	2.0135		6,928.5831	6,928.5831	0.3132		6,935.1596
Total	1.2161	5.0686	31.9467	0.1025	7.7252	0.1088	7.8340	2.0543	0.1004	2.1547		7,903.2739	7,903.2739	0.3191		7,909.9739

3.3 Building Construction - 2019

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	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872		19,154.4398
Total	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	2.2500e-003	0.0401	0.0189	1.4000e-004	3.4400e-003	7.8000e-004	4.2100e-003	9.4000e-004	7.1000e-004	1.6600e-003		13.6405	13.6405	9.0000e-005		13.6424
Vendor	0.9729	15.7680	8.5902	0.0609	1.8966	0.3342	2.2308	0.5395	0.3075	0.8470		5,848.1447	5,848.1447	0.0353		5,848.8855
Worker	1.0539	2.4406	30.5150	0.0923	7.4091	0.0531	7.4622	1.9643	0.0492	2.0135		6,928.5831	6,928.5831	0.3132		6,935.1596
Total	2.0291	18.2487	39.1241	0.1533	9.3092	0.3880	9.6972	2.5048	0.3573	2.8622		12,790.3682	12,790.3682	0.3485		12,797.6876

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	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398
Total	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	2.2500e-003	0.0401	0.0189	1.4000e-004	3.4400e-003	7.8000e-004	4.2100e-003	9.4000e-004	7.1000e-004	1.6600e-003		13.6405	13.6405	9.0000e-005		13.6424
Vendor	0.9729	15.7680	8.5902	0.0609	1.8966	0.3342	2.2308	0.5395	0.3075	0.8470		5,848.1447	5,848.1447	0.0353		5,848.8855
Worker	1.0539	2.4406	30.5150	0.0923	7.4091	0.0531	7.4622	1.9643	0.0492	2.0135		6,928.5831	6,928.5831	0.3132		6,935.1596
Total	2.0291	18.2487	39.1241	0.1533	9.3092	0.3880	9.6972	2.5048	0.3573	2.8622		12,790.3682	12,790.3682	0.3485		12,797.6876

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

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					
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		0.0000	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

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						
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		0.0000	0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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
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10.0 Vegetation

North-South Project - Spread 3 (Route 66)
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	29.70	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per project description

 On-road Fugitive Dust -
 Grading -
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	440.00	186.00
tblConstructionPhase	PhaseEndDate	12/6/2019	12/7/2019
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	29.70
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
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tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020

tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003

tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52

tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69

tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21

tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11

tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003

tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004

tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09

tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11

tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04

tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
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tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
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tblVehicleEF	LHD1	0.05	0.07
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tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004

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tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
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tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003

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tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
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tblVehicleEF	LHD1	0.05	0.07
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tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
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tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35

tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
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tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
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tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004

tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
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tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
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tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
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tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24

tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
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tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
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tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003

tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004

tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88

tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
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tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49

tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32

tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003

tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003

tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003

tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29

tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
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tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
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tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33

tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
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tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05

tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	2.3690e-003	3.1980e-003
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tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67

tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
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tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003

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tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
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tblVehicleEF	MHD	914.53	853.20
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tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18

tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
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tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
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tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	1.24	1.95
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tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003

tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
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tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
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tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
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tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	5.7800e-004	5.4200e-004

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tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
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tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
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tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
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tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
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tblVehicleEF	OBUS	0.01	9.6290e-003

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tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
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tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
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tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
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tblVehicleEF	SBUS	0.30	0.40
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tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17

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tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
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tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27

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tblVehicleEF	UBUS	27.32	56.96
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tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96

tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Route 66	Building Construction	3/22/2019	12/7/2019	5	186	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Route 66	Air Compressors	8	4.00	78	0.48
Route 66	Air Compressors	2	6.00	78	0.48
Route 66	Air Compressors	2	4.00	78	0.48
Route 66	Bore/Drill Rigs	1	4.00	205	0.50
Route 66	Concrete/Industrial Saws	2	4.00	81	0.73
Route 66	Cranes	2	5.00	226	0.29
Route 66	Cranes	4	5.00	226	0.29
Route 66	Excavators	1	5.00	162	0.38
Route 66	Forklifts	2	4.00	89	0.20
Route 66	Generator Sets	6	2.00	49	0.74
Route 66	Generator Sets	3	6.00	84	0.74
Route 66	Other Construction Equipment	2	4.00	171	0.42
Route 66	Other Construction Equipment	3	4.00	171	0.42
Route 66	Other Construction Equipment	2	4.00	171	0.42
Route 66	Other Construction Equipment	1	4.00	171	0.42
Route 66	Other Construction Equipment	1	4.00	171	0.42
Route 66	Pavers	1	4.00	125	0.42
Route 66	Pumps	1	5.00	84	0.74
Route 66	Pumps	1	6.00	84	0.74
Route 66	Pumps	2	4.00	84	0.74
Route 66	Rollers	2	5.00	80	0.38
Route 66	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Route 66	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Route 66	Welders	14	5.00	46	0.45

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
Route 66	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Route 66 - 2019

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	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570
Total	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Route 66 - 2019

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	6.1000e-004	0.0109	5.1500e-003	4.0000e-005	9.4000e-004	2.1000e-004	1.1500e-003	2.6000e-004	1.9000e-004	4.5000e-004		3.7157	3.7157	3.0000e-005		3.7162
Vendor	0.3187	3.1916	4.0008	0.0105	0.3042	0.0551	0.3593	0.0866	0.0507	0.1373		1,001.9002	1,001.9002	7.0400e-003		1,002.0479
Worker	0.6639	0.6900	8.6352	0.0243	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,819.1798	1,819.1798	0.0849		1,820.9622
Total	0.9832	3.8925	12.6411	0.0348	2.2110	0.0705	2.2815	0.5924	0.0649	0.6574		2,824.7957	2,824.7957	0.0920		2,826.7263

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	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570
Total	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Route 66 - 2019

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	6.1000e-004	0.0109	5.1500e-003	4.0000e-005	9.4000e-004	2.1000e-004	1.1500e-003	2.6000e-004	1.9000e-004	4.5000e-004		3.7157	3.7157	3.0000e-005		3.7162
Vendor	0.3187	3.1916	4.0008	0.0105	0.3042	0.0551	0.3593	0.0866	0.0507	0.1373		1,001.9002	1,001.9002	7.0400e-003		1,002.0479
Worker	0.6639	0.6900	8.6352	0.0243	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,819.1798	1,819.1798	0.0849		1,820.9622
Total	0.9832	3.8925	12.6411	0.0348	2.2110	0.0705	2.2815	0.5924	0.0649	0.6574		2,824.7957	2,824.7957	0.0920		2,826.7263

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

5.1 Fleet Mix

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					
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		0.0000	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

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						
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		0.0000	0.0000	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	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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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
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10.0 Vegetation

North-South Project - Spread 4 (So Gardena St to Kendall)
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	39.39	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - per ARB

Construction Phase - per ARB

Off-road Equipment - per ARB

Off-road Equipment - per ARB

Trips and VMT - per ARB

On-road Fugitive Dust -

Construction Off-road Equipment Mitigation - Utilized Tier 3 for off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	740.00	282.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	39.39
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	150.00

tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003

tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97

tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76

tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10

tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003

tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004

tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30

tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17

tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
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tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
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tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.19	0.17
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tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
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tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
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tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
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tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
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tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003

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tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
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tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96

tblVehicleEF	LHD2	509.57	506.20
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tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
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tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
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tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004

tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22

tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
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tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13

tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003

tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003

tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07

tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004

tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003

tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003

tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003

tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09

tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
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tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003

tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
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tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
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tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
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tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
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tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
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tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
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tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
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tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
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tblVehicleEF	OBUS	0.55	0.78
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tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
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tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
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tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89

tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
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tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
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tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
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tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44

tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
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tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
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tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51

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tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
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tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
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tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003

tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	So Gardena St to Kendall	Building Construction	10/1/2018	10/29/2019	5	282	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
So Gardena St to Kendall	Air Compressors	8	4.00	78	0.48
So Gardena St to Kendall	Air Compressors	2	6.00	78	0.48
So Gardena St to Kendall	Air Compressors	2	4.00	78	0.48
So Gardena St to Kendall	Bore/Drill Rigs	1	4.00	205	0.50
So Gardena St to Kendall	Concrete/Industrial Saws	2	4.00	81	0.73
So Gardena St to Kendall	Cranes	2	5.00	226	0.29
So Gardena St to Kendall	Cranes	4	5.00	226	0.29
So Gardena St to Kendall	Excavators	1	5.00	162	0.38
So Gardena St to Kendall	Forklifts	2	4.00	89	0.20
So Gardena St to Kendall	Generator Sets	6	2.00	49	0.74
So Gardena St to Kendall	Generator Sets	3	6.00	84	0.74
So Gardena St to Kendall	Other Construction Equipment	2	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	3	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	2	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	1	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	1	4.00	171	0.42
So Gardena St to Kendall	Pavers	1	4.00	125	0.42
So Gardena St to Kendall	Pumps	1	5.00	84	0.74
So Gardena St to Kendall	Pumps	1	6.00	84	0.74
So Gardena St to Kendall	Pumps	2	4.00	84	0.74
So Gardena St to Kendall	Rollers	2	5.00	80	0.38
So Gardena St to Kendall	Tractors/Loaders/Backhoes	5	6.00	97	0.37
So Gardena St to Kendall	Tractors/Loaders/Backhoes	6	4.00	97	0.37
So Gardena St to Kendall	Welders	14	5.00	46	0.45

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
So Gardena St to Kendall	74	232.00	46.00	2.00	10.80	7.30	150.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 So Gardena St to Kendall - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493
Total	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 So Gardena St to Kendall - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0000e-004	0.0115	4.8000e-003	4.0000e-005	3.2300e-003	2.1000e-004	3.4400e-003	8.2000e-004	1.9000e-004	1.0100e-003		3.7428	3.7428	3.0000e-005		3.7433
Vendor	0.3364	3.4625	4.1577	0.0105	0.3042	0.0581	0.3623	0.0866	0.0534	0.1400		1,021.7619	1,021.7619	7.1800e-003		1,021.9126
Worker	0.7179	0.7526	9.3977	0.0243	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,890.8428	1,890.8428	0.0907		1,892.7481
Total	1.0549	4.2267	13.5602	0.0349	2.2133	0.0737	2.2869	0.5930	0.0679	0.6608		2,916.3474	2,916.3474	0.0979		2,918.4040

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	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493
Total	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 So Gardena St to Kendall - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0000e-004	0.0115	4.8000e-003	4.0000e-005	3.2300e-003	2.1000e-004	3.4400e-003	8.2000e-004	1.9000e-004	1.0100e-003		3.7428	3.7428	3.0000e-005		3.7433
Vendor	0.3364	3.4625	4.1577	0.0105	0.3042	0.0581	0.3623	0.0866	0.0534	0.1400		1,021.7619	1,021.7619	7.1800e-003		1,021.9126
Worker	0.7179	0.7526	9.3977	0.0243	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,890.8428	1,890.8428	0.0907		1,892.7481
Total	1.0549	4.2267	13.5602	0.0349	2.2133	0.0737	2.2869	0.5930	0.0679	0.6608		2,916.3474	2,916.3474	0.0979		2,918.4040

3.2 So Gardena St to Kendall - 2019

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	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570
Total	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 So Gardena St to Kendall - 2019

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	5.9000e-004	0.0108	4.7300e-003	4.0000e-005	1.1400e-003	2.1000e-004	1.3500e-003	3.1000e-004	1.9000e-004	5.0000e-004		3.6701	3.6701	3.0000e-005		3.6706
Vendor	0.3187	3.1916	4.0008	0.0105	0.3042	0.0551	0.3593	0.0866	0.0507	0.1373		1,001.9002	1,001.9002	7.0400e-003		1,002.0479
Worker	0.6639	0.6900	8.6352	0.0243	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,819.1798	1,819.1798	0.0849		1,820.9622
Total	0.9832	3.8923	12.6407	0.0348	2.2112	0.0705	2.2817	0.5925	0.0649	0.6574		2,824.7500	2,824.7500	0.0920		2,826.6807

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	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570
Total	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 So Gardena St to Kendall - 2019

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	5.9000e-004	0.0108	4.7300e-003	4.0000e-005	1.1400e-003	2.1000e-004	1.3500e-003	3.1000e-004	1.9000e-004	5.0000e-004		3.6701	3.6701	3.0000e-005		3.6706
Vendor	0.3187	3.1916	4.0008	0.0105	0.3042	0.0551	0.3593	0.0866	0.0507	0.1373		1,001.9002	1,001.9002	7.0400e-003		1,002.0479
Worker	0.6639	0.6900	8.6352	0.0243	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,819.1798	1,819.1798	0.0849		1,820.9622
Total	0.9832	3.8923	12.6407	0.0348	2.2112	0.0705	2.2817	0.5925	0.0649	0.6574		2,824.7500	2,824.7500	0.0920		2,826.6807

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

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					
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		0.0000	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

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					
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		0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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
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10.0 Vegetation

North-South Project - Spread 5a (Reche Canyon No. 1)
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	20.61	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per project description

 On-road Fugitive Dust -
 Construction Off-road Equipment Mitigation - utilized Tier 3 off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	370.00	204.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	20.61
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00

tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003

tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97

tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76

tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10

tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003

tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004

tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30

tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17

tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
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tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
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tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
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tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
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tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
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tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
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tblVehicleEF	LHD1	0.19	0.17
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tblVehicleEF	LHD1	0.05	0.07
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tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
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tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
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tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
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tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
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tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
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tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
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tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
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tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003

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tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
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tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
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tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96

tblVehicleEF	LHD2	509.57	506.20
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tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
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tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
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tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
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tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004

tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
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tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22

tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13

tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003

tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003

tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07

tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004

tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003

tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003

tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003

tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09

tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003

tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
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tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
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tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
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tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
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tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89

tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
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tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
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tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
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tblVehicleEF	SBUS	0.21	0.16
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tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44

tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96

tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003

tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Reche Canyon No.1	Building Construction	10/29/2018	8/8/2019	5	204	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reche Canyon No.1	Air Compressors	8	4.00	78	0.48
Reche Canyon No.1	Air Compressors	2	6.00	78	0.48
Reche Canyon No.1	Air Compressors	2	4.00	78	0.48
Reche Canyon No.1	Bore/Drill Rigs	1	4.00	205	0.50
Reche Canyon No.1	Concrete/Industrial Saws	2	4.00	81	0.73
Reche Canyon No.1	Cranes	2	5.00	226	0.29
Reche Canyon No.1	Cranes	4	5.00	226	0.29
Reche Canyon No.1	Excavators	1	5.00	162	0.38
Reche Canyon No.1	Forklifts	2	4.00	89	0.20
Reche Canyon No.1	Generator Sets	6	2.00	49	0.74
Reche Canyon No.1	Generator Sets	3	6.00	84	0.74
Reche Canyon No.1	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	3	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.1	Pavers	1	4.00	125	0.42
Reche Canyon No.1	Pumps	1	5.00	84	0.74
Reche Canyon No.1	Pumps	1	6.00	84	0.74
Reche Canyon No.1	Pumps	2	4.00	84	0.74
Reche Canyon No.1	Rollers	2	5.00	80	0.38
Reche Canyon No.1	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Reche Canyon No.1	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Reche Canyon No.1	Welders	14	5.00	46	0.45

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
Reche Canyon No.1	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Reche Canyon No.1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493
Total	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 Reche Canyon No.1 - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7000e-004	0.0107	4.7600e-003	4.0000e-005	3.0800e-003	1.9000e-004	3.2700e-003	7.8000e-004	1.8000e-004	9.6000e-004		3.4549	3.4549	2.0000e-005		3.4554
Vendor	0.3364	3.4625	4.1577	0.0105	0.3042	0.0581	0.3623	0.0866	0.0534	0.1400		1,021.7619	1,021.7619	7.1800e-003		1,021.9126
Worker	0.7179	0.7526	9.3977	0.0243	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,890.8428	1,890.8428	0.0907		1,892.7481
Total	1.0549	4.2258	13.5601	0.0349	2.2131	0.0737	2.2868	0.5929	0.0679	0.6608		2,916.0596	2,916.0596	0.0979		2,918.1162

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	4.0665	88.1018	115.7183	0.1760		5.2963	5.2963		5.3133	5.3133	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493
Total	4.0665	88.1018	115.7183	0.1760		5.2963	5.2963		5.3133	5.3133	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 Reche Canyon No.1 - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7000e-004	0.0107	4.7600e-003	4.0000e-005	3.0800e-003	1.9000e-004	3.2700e-003	7.8000e-004	1.8000e-004	9.6000e-004		3.4549	3.4549	2.0000e-005		3.4554
Vendor	0.3364	3.4625	4.1577	0.0105	0.3042	0.0581	0.3623	0.0866	0.0534	0.1400		1,021.7619	1,021.7619	7.1800e-003		1,021.9126
Worker	0.7179	0.7526	9.3977	0.0243	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,890.8428	1,890.8428	0.0907		1,892.7481
Total	1.0549	4.2258	13.5601	0.0349	2.2131	0.0737	2.2868	0.5929	0.0679	0.6608		2,916.0596	2,916.0596	0.0979		2,918.1162

3.2 Reche Canyon No.1 - 2019

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	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570
Total	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Reche Canyon No.1 - 2019

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	5.6000e-004	9.9700e-003	4.6900e-003	4.0000e-005	1.0400e-003	1.9000e-004	1.2400e-003	2.8000e-004	1.8000e-004	4.6000e-004		3.3878	3.3878	2.0000e-005		3.3883
Vendor	0.3187	3.1916	4.0008	0.0105	0.3042	0.0551	0.3593	0.0866	0.0507	0.1373		1,001.9002	1,001.9002	7.0400e-003		1,002.0479
Worker	0.6639	0.6900	8.6352	0.0243	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,819.1798	1,819.1798	0.0849		1,820.9622
Total	0.9832	3.8916	12.6407	0.0348	2.2111	0.0705	2.2816	0.5924	0.0649	0.6574		2,824.4678	2,824.4678	0.0919		2,826.3984

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	4.1283	88.7400	115.7486	0.1760		5.3360	5.3360		5.3516	5.3516	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570
Total	4.1283	88.7400	115.7486	0.1760		5.3360	5.3360		5.3516	5.3516	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Reche Canyon No.1 - 2019

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	5.6000e-004	9.9700e-003	4.6900e-003	4.0000e-005	1.0400e-003	1.9000e-004	1.2400e-003	2.8000e-004	1.8000e-004	4.6000e-004		3.3878	3.3878	2.0000e-005		3.3883
Vendor	0.3187	3.1916	4.0008	0.0105	0.3042	0.0551	0.3593	0.0866	0.0507	0.1373		1,001.9002	1,001.9002	7.0400e-003		1,002.0479
Worker	0.6639	0.6900	8.6352	0.0243	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,819.1798	1,819.1798	0.0849		1,820.9622
Total	0.9832	3.8916	12.6407	0.0348	2.2111	0.0705	2.2816	0.5924	0.0649	0.6574		2,824.4678	2,824.4678	0.0919		2,826.3984

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					
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
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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

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					
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		0.0000	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

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						
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		0.0000	0.0000	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					
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
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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
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10.0 Vegetation

North-South Project - Compressor Station
Mojave Desert AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	3.20	User Defined Unit	3.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per project description
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Grading - per ARB
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	230.00	325.00
tblConstructionPhase	NumDays	5.00	67.00
tblLandUse	LotAcreage	0.00	3.20
tblOffRoadEquipment	HorsePower	171.00	205.00
tblOffRoadEquipment	LoadFactor	0.42	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripNumber	13.00	54.00
tblTripsAndVMT	WorkerTripNumber	0.00	54.00

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					
2018	2.3907	20.5727	27.7383	0.0581	2.4110	1.1299	3.5409	0.6458	1.0815	1.7273	0.0000	5,131.6519	5,131.6519	0.4795	0.0000	5,141.7214
2019	6.7667	65.9827	58.6206	0.1064	2.4110	3.6633	5.9851	0.6458	3.4168	4.0374	0.0000	9,809.8245	9,809.8245	2.0439	0.0000	9,852.7461
2020	6.2355	60.5416	57.0702	0.1063	2.3233	3.3016	5.6249	0.6209	3.0778	3.6987	0.0000	9,590.6500	9,590.6500	2.0291	0.0000	9,633.2619
Total	15.3930	147.0970	143.4291	0.2708	7.1453	8.0948	15.1510	1.9125	7.5761	9.4633	0.0000	24,532.1264	24,532.1264	4.5525	0.0000	24,627.7294

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	1.0521	14.3741	28.9149	0.0581	2.4110	0.7870	3.1980	0.6458	0.7788	1.4247	0.0000	5,131.6519	5,131.6519	0.4795	0.0000	5,141.7214
2019	2.2016	38.8698	63.2724	0.1064	2.4110	2.1155	4.4373	0.6458	2.1095	2.7301	0.0000	9,809.8245	9,809.8245	2.0439	0.0000	9,852.7461
2020	2.1545	38.4865	62.3468	0.1063	2.3233	2.1094	4.4327	0.6209	2.1039	2.7248	0.0000	9,590.6500	9,590.6500	2.0291	0.0000	9,633.2619
Total	5.4081	91.7304	154.5341	0.2708	7.1453	5.0119	12.0680	1.9125	4.9923	6.8795	0.0000	24,532.1264	24,532.1264	4.5525	0.0000	24,627.7294

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	64.87	37.64	-7.74	0.00	0.00	38.09	20.35	0.00	34.10	27.30	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	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
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	3.0000e-005	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004

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	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
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	3.0000e-005	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site prep	Site Preparation	10/1/2018	1/1/2019	5	67	
2	Building Construction	Building Construction	1/2/2019	3/31/2020	5	325	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site prep	Generator Sets	2	8.00	84	0.74
Site prep	Other Construction Equipment	1	8.00	205	0.50
Site prep	Other Construction Equipment	1	8.00	171	0.42
Site prep	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cranes	2	8.00	226	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Trenchers	1	8.00	80	0.50

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site prep	5	54.00	8.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	54.00	6.00	2.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site prep - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8297	16.8796	13.9649	0.0224		1.0273	1.0273		0.9870	0.9870		2,176.9709	2,176.9709	0.3797		2,184.9446
Total	1.8297	16.8796	13.9649	0.0224	0.0000	1.0273	1.0273	0.0000	0.9870	0.9870		2,176.9709	2,176.9709	0.3797		2,184.9446

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	0.1744	2.6734	2.0879	0.0110	0.3592	0.0912	0.4504	0.1019	0.0839	0.1857		1,075.4886	1,075.4886	4.8500e-003		1,075.5904
Worker	0.3866	1.0197	11.6855	0.0247	2.0518	0.0115	2.0632	0.5440	0.0106	0.5545		1,879.1923	1,879.1923	0.0950		1,881.1864
Total	0.5610	3.6932	13.7734	0.0357	2.4110	0.1026	2.5136	0.6458	0.0945	0.7403		2,954.6810	2,954.6810	0.0998		2,956.7768

3.2 Site prep - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4911	10.6809	15.1415	0.0224		0.6844	0.6844		0.6844	0.6844	0.0000	2,176.9709	2,176.9709	0.3797		2,184.9446
Total	0.4911	10.6809	15.1415	0.0224	0.0000	0.6844	0.6844	0.0000	0.6844	0.6844	0.0000	2,176.9709	2,176.9709	0.3797		2,184.9446

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	0.1744	2.6734	2.0879	0.0110	0.3592	0.0912	0.4504	0.1019	0.0839	0.1857		1,075.4886	1,075.4886	4.8500e-003		1,075.5904
Worker	0.3866	1.0197	11.6855	0.0247	2.0518	0.0115	2.0632	0.5440	0.0106	0.5545		1,879.1923	1,879.1923	0.0950		1,881.1864
Total	0.5610	3.6932	13.7734	0.0357	2.4110	0.1026	2.5136	0.6458	0.0945	0.7403		2,954.6810	2,954.6810	0.0998		2,956.7768

3.2 Site prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6428	15.5085	13.8734	0.0224		0.9034	0.9034		0.8673	0.8673		2,162.1935	2,162.1935	0.3688		2,169.9380
Total	1.6428	15.5085	13.8734	0.0224	0.0000	0.9034	0.9034	0.0000	0.8673	0.8673		2,162.1935	2,162.1935	0.3688		2,169.9380

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	0.1624	2.3883	1.9375	0.0110	0.3592	0.0852	0.4445	0.1018	0.0784	0.1803		1,056.3646	1,056.3646	4.6400e-003		1,056.4620
Worker	0.3375	0.9295	10.6472	0.0247	2.0518	0.0113	2.0630	0.5440	0.0105	0.5544		1,805.3050	1,805.3050	0.0887		1,807.1675
Total	0.4999	3.3178	12.5847	0.0357	2.4110	0.0965	2.5075	0.6458	0.0889	0.7347		2,861.6696	2,861.6696	0.0933		2,863.6295

3.2 Site prep - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4911	10.6809	15.1415	0.0224		0.6844	0.6844		0.6844	0.6844	0.0000	2,162.1935	2,162.1935	0.3688		2,169.9380
Total	0.4911	10.6809	15.1415	0.0224	0.0000	0.6844	0.6844	0.0000	0.6844	0.6844	0.0000	2,162.1935	2,162.1935	0.3688		2,169.9380

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	0.1624	2.3883	1.9375	0.0110	0.3592	0.0852	0.4445	0.1018	0.0784	0.1803		1,056.3646	1,056.3646	4.6400e-003		1,056.4620
Worker	0.3375	0.9295	10.6472	0.0247	2.0518	0.0113	2.0630	0.5440	0.0105	0.5544		1,805.3050	1,805.3050	0.0887		1,807.1675
Total	0.4999	3.3178	12.5847	0.0357	2.4110	0.0965	2.5075	0.6458	0.0889	0.7347		2,861.6696	2,861.6696	0.0933		2,863.6295

3.3 Building Construction - 2019

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	6.3072	63.2579	46.5174	0.0734		3.5880	3.5880		3.3474	3.3474		7,210.2121	7,210.2121	1.9517		7,251.1979
Total	6.3072	63.2579	46.5174	0.0734		3.5880	3.5880		3.3474	3.3474		7,210.2121	7,210.2121	1.9517		7,251.1979

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	2.6000e-004	4.0300e-003	2.8900e-003	2.0000e-005	6.4000e-004	1.5000e-004	8.0000e-004	1.7000e-004	1.4000e-004	3.2000e-004		2.0340	2.0340	1.0000e-005		2.0342
Vendor	0.1218	1.7912	1.4531	8.2600e-003	0.2694	0.0639	0.3333	0.0764	0.0588	0.1352		792.2735	792.2735	3.4800e-003		792.3465
Worker	0.3375	0.9295	10.6472	0.0247	2.0518	0.0113	2.0630	0.5440	0.0105	0.5544		1,805.3050	1,805.3050	0.0887		1,807.1675
Total	0.4596	2.7247	12.1032	0.0329	2.3218	0.0754	2.3972	0.6205	0.0694	0.6899		2,599.6124	2,599.6124	0.0922		2,601.5482

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,210.2121	7,210.2121	1.9517		7,251.1979
Total	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,210.2121	7,210.2121	1.9517		7,251.1979

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	2.6000e-004	4.0300e-003	2.8900e-003	2.0000e-005	6.4000e-004	1.5000e-004	8.0000e-004	1.7000e-004	1.4000e-004	3.2000e-004		2.0340	2.0340	1.0000e-005		2.0342
Vendor	0.1218	1.7912	1.4531	8.2600e-003	0.2694	0.0639	0.3333	0.0764	0.0588	0.1352		792.2735	792.2735	3.4800e-003		792.3465
Worker	0.3375	0.9295	10.6472	0.0247	2.0518	0.0113	2.0630	0.5440	0.0105	0.5544		1,805.3050	1,805.3050	0.0887		1,807.1675
Total	0.4596	2.7247	12.1032	0.0329	2.3218	0.0754	2.3972	0.6205	0.0694	0.6899		2,599.6124	2,599.6124	0.0922		2,601.5482

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.8230	58.2002	45.8926	0.0734		3.2324	3.2324		3.0140	3.0140		7,083.1600	7,083.1600	1.9420		7,123.9416
Total	5.8230	58.2002	45.8926	0.0734		3.2324	3.2324		3.0140	3.0140		7,083.1600	7,083.1600	1.9420		7,123.9416

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	2.5000e-004	3.5400e-003	2.7900e-003	2.0000e-005	2.1700e-003	1.5000e-004	2.3200e-003	5.5000e-004	1.4000e-004	6.9000e-004		1.9875	1.9875	1.0000e-005		1.9877
Vendor	0.1089	1.4802	1.3296	8.2400e-003	0.2694	0.0579	0.3273	0.0764	0.0533	0.1297		774.0044	774.0044	3.2200e-003		774.0721
Worker	0.3034	0.8577	9.8452	0.0246	2.0518	0.0112	2.0630	0.5440	0.0104	0.5544		1,731.4981	1,731.4981	0.0839		1,733.2605
Total	0.4125	2.3414	11.1776	0.0329	2.3233	0.0693	2.3926	0.6209	0.0638	0.6847		2,507.4901	2,507.4901	0.0872		2,509.3203

3.3 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,083.1600	7,083.1600	1.9420		7,123.9416
Total	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,083.1600	7,083.1600	1.9420		7,123.9416

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	2.5000e-004	3.5400e-003	2.7900e-003	2.0000e-005	2.1700e-003	1.5000e-004	2.3200e-003	5.5000e-004	1.4000e-004	6.9000e-004		1.9875	1.9875	1.0000e-005		1.9877
Vendor	0.1089	1.4802	1.3296	8.2400e-003	0.2694	0.0579	0.3273	0.0764	0.0533	0.1297		774.0044	774.0044	3.2200e-003		774.0721
Worker	0.3034	0.8577	9.8452	0.0246	2.0518	0.0112	2.0630	0.5440	0.0104	0.5544		1,731.4981	1,731.4981	0.0839		1,733.2605
Total	0.4125	2.3414	11.1776	0.0329	2.3233	0.0693	2.3926	0.6209	0.0638	0.6847		2,507.4901	2,507.4901	0.0872		2,509.3203

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

4.4 Fleet Mix

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					
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		0.0000	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

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					
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		0.0000	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	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
Unmitigated	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004

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
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10.0 Vegetation

North-South Project - Pressure Limiting Station
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	1.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per project description
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per project description

 On-road Fugitive Dust -
 Grading - per ARB
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	250
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	250
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	303.00
tblConstructionPhase	NumDays	1.00	67.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	1.00
tblOffRoadEquipment	HorsePower	171.00	205.00
tblOffRoadEquipment	LoadFactor	0.42	0.50

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site prep
tblOffRoadEquipment	PhaseName		Site prep
tblOffRoadEquipment	PhaseName		Site prep
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	50.00
tblTripsAndVMT	VendorTripLength	6.90	50.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripNumber	13.00	54.00
tblTripsAndVMT	WorkerTripNumber	0.00	54.00
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10

tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44

tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69

tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15

tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11

tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003

tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003

tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003

tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09

tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17

tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34

tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35

tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004

tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61

tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004

tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003

tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24

tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31

tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MDV	2.0090e-003	1.6230e-003

tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003

tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11

tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004

tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03

tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MHD	8.6000e-003	0.01

tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20

tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20

tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01

tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004

tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37

tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09

tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63

tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42

tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89
tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04

tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21

tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003

tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

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					
2018	2.3479	20.9049	24.8679	0.0597	2.4130	1.1093	3.5222	0.6467	1.0625	1.7092	0.0000	5,307.5375	5,307.5375	0.4791	0.0000	5,317.5993
2019	6.7384	66.1931	56.1980	0.1077	2.4130	3.6505	5.9739	0.6467	3.4051	4.0263	0.0000	9,966.6268	9,966.6268	2.0435	0.0000	10,009.5400
2020	6.2264	60.7635	54.9536	0.1077	2.3259	3.2908	5.6168	0.6219	3.0679	3.6898	0.0000	9,742.9722	9,742.9722	2.0291	0.0000	9,785.5835
Total	15.3127	147.8614	136.0195	0.2751	7.1519	8.0506	15.1129	1.9153	7.5355	9.4253	0.0000	25,017.1365	25,017.1365	4.5517	0.0000	25,112.7228

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	1.0093	14.7062	26.0445	0.0597	2.4130	0.7664	3.1794	0.6467	0.7599	1.4066	0.0000	5,307.5375	5,307.5375	0.4791	0.0000	5,317.5993
2019	2.1732	39.0802	60.8498	0.1077	2.4130	2.1027	4.4260	0.6467	2.0978	2.7190	0.0000	9,966.6268	9,966.6268	2.0435	0.0000	10,009.5400
2020	2.1454	38.7084	60.2302	0.1077	2.3259	2.0986	4.4245	0.6219	2.0940	2.7159	0.0000	9,742.9722	9,742.9722	2.0291	0.0000	9,785.5835
Total	5.3279	92.4948	147.1245	0.2751	7.1519	4.9677	12.0299	1.9153	4.9517	6.8415	0.0000	25,017.1365	25,017.1365	4.5517	0.0000	25,112.7228

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	65.21	37.44	-8.16	0.00	0.00	38.29	20.40	0.00	34.29	27.41	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site prep	Site Preparation	10/1/2018	1/1/2019	5	67	
2	Building Construction	Building Construction	1/2/2019	2/28/2020	5	303	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site prep	Generator Sets	2	8.00	84	0.74
Site prep	Other Construction Equipment	1	8.00	205	0.50
Site prep	Other Construction Equipment	1	8.00	171	0.42
Site prep	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cranes	2	8.00	226	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Trenchers	1	8.00	80	0.50

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site prep	5	54.00	8.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	54.00	6.00	2.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site prep - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8297	16.8796	13.9649	0.0224		1.0273	1.0273		0.9870	0.9870		2,176.9709	2,176.9709	0.3797		2,184.9446
Total	1.8297	16.8796	13.9649	0.0224	0.0000	1.0273	1.0273	0.0000	0.9870	0.9870		2,176.9709	2,176.9709	0.3797		2,184.9446

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	0.1941	3.2893	1.7132	0.0116	0.3612	0.0670	0.4282	0.1028	0.0616	0.1644		1,136.2329	1,136.2329	6.9200e-003		1,136.3782
Worker	0.3241	0.7360	9.1898	0.0256	2.0518	0.0150	2.0668	0.5440	0.0139	0.5579		1,994.3337	1,994.3337	0.0925		1,996.2765
Total	0.5182	4.0253	10.9030	0.0373	2.4130	0.0820	2.4950	0.6467	0.0755	0.7222		3,130.5666	3,130.5666	0.0994		3,132.6547

3.2 Site prep - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4911	10.6809	15.1415	0.0224		0.6844	0.6844		0.6844	0.6844	0.0000	2,176.9709	2,176.9709	0.3797		2,184.9446
Total	0.4911	10.6809	15.1415	0.0224	0.0000	0.6844	0.6844	0.0000	0.6844	0.6844	0.0000	2,176.9709	2,176.9709	0.3797		2,184.9446

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	0.1941	3.2893	1.7132	0.0116	0.3612	0.0670	0.4282	0.1028	0.0616	0.1644		1,136.2329	1,136.2329	6.9200e-003		1,136.3782
Worker	0.3241	0.7360	9.1898	0.0256	2.0518	0.0150	2.0668	0.5440	0.0139	0.5579		1,994.3337	1,994.3337	0.0925		1,996.2765
Total	0.5182	4.0253	10.9030	0.0373	2.4130	0.0820	2.4950	0.6467	0.0755	0.7222		3,130.5666	3,130.5666	0.0994		3,132.6547

3.2 Site prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6428	15.5085	13.8734	0.0224		0.9034	0.9034		0.8673	0.8673		2,162.1935	2,162.1935	0.3688		2,169.9380
Total	1.6428	15.5085	13.8734	0.0224	0.0000	0.9034	0.9034	0.0000	0.8673	0.8673		2,162.1935	2,162.1935	0.3688		2,169.9380

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	0.1853	3.0034	1.6362	0.0116	0.3613	0.0637	0.4249	0.1028	0.0586	0.1613		1,113.9323	1,113.9323	6.7200e-003		1,114.0734
Worker	0.2919	0.6758	8.4503	0.0256	2.0518	0.0147	2.0665	0.5440	0.0136	0.5576		1,918.6846	1,918.6846	0.0867		1,920.5058
Total	0.4772	3.6793	10.0865	0.0372	2.4130	0.0784	2.4914	0.6467	0.0722	0.7189		3,032.6169	3,032.6169	0.0934		3,034.5792

3.2 Site prep - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4911	10.6809	15.1415	0.0224		0.6844	0.6844		0.6844	0.6844	0.0000	2,162.1935	2,162.1935	0.3688		2,169.9380
Total	0.4911	10.6809	15.1415	0.0224	0.0000	0.6844	0.6844	0.0000	0.6844	0.6844	0.0000	2,162.1935	2,162.1935	0.3688		2,169.9380

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	0.1853	3.0034	1.6362	0.0116	0.3613	0.0637	0.4249	0.1028	0.0586	0.1613		1,113.9323	1,113.9323	6.7200e-003		1,114.0734
Worker	0.2919	0.6758	8.4503	0.0256	2.0518	0.0147	2.0665	0.5440	0.0136	0.5576		1,918.6846	1,918.6846	0.0867		1,920.5058
Total	0.4772	3.6793	10.0865	0.0372	2.4130	0.0784	2.4914	0.6467	0.0722	0.7189		3,032.6169	3,032.6169	0.0934		3,034.5792

3.3 Building Construction - 2019

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	6.3072	63.2579	46.5174	0.0734		3.5880	3.5880		3.3474	3.3474		7,210.2121	7,210.2121	1.9517		7,251.1979
Total	6.3072	63.2579	46.5174	0.0734		3.5880	3.5880		3.3474	3.3474		7,210.2121	7,210.2121	1.9517		7,251.1979

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	3.8000e-004	6.7100e-003	3.1600e-003	2.0000e-005	6.5000e-004	1.3000e-004	7.8000e-004	1.8000e-004	1.2000e-004	2.9000e-004		2.2809	2.2809	2.0000e-005		2.2812
Vendor	0.1390	2.2526	1.2272	8.6900e-003	0.2709	0.0477	0.3187	0.0771	0.0439	0.1210		835.4492	835.4492	5.0400e-003		835.5551
Worker	0.2919	0.6758	8.4503	0.0256	2.0518	0.0147	2.0665	0.5440	0.0136	0.5576		1,918.6846	1,918.6846	0.0867		1,920.5058
Total	0.4312	2.9351	9.6806	0.0343	2.3234	0.0626	2.3859	0.6212	0.0577	0.6789		2,756.4147	2,756.4147	0.0918		2,758.3421

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,210.2121	7,210.2121	1.9517		7,251.1979
Total	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,210.2121	7,210.2121	1.9517		7,251.1979

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	3.8000e-004	6.7100e-003	3.1600e-003	2.0000e-005	6.5000e-004	1.3000e-004	7.8000e-004	1.8000e-004	1.2000e-004	2.9000e-004		2.2809	2.2809	2.0000e-005		2.2812
Vendor	0.1390	2.2526	1.2272	8.6900e-003	0.2709	0.0477	0.3187	0.0771	0.0439	0.1210		835.4492	835.4492	5.0400e-003		835.5551
Worker	0.2919	0.6758	8.4503	0.0256	2.0518	0.0147	2.0665	0.5440	0.0136	0.5576		1,918.6846	1,918.6846	0.0867		1,920.5058
Total	0.4312	2.9351	9.6806	0.0343	2.3234	0.0626	2.3859	0.6212	0.0577	0.6789		2,756.4147	2,756.4147	0.0918		2,758.3421

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.8230	58.2002	45.8926	0.0734		3.2324	3.2324		3.0140	3.0140		7,083.1600	7,083.1600	1.9420		7,123.9416
Total	5.8230	58.2002	45.8926	0.0734		3.2324	3.2324		3.0140	3.0140		7,083.1600	7,083.1600	1.9420		7,123.9416

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	3.7000e-004	5.9500e-003	3.1200e-003	2.0000e-005	3.2100e-003	1.3000e-004	3.3400e-003	8.0000e-004	1.2000e-004	9.2000e-004		2.2296	2.2296	2.0000e-005		2.2299
Vendor	0.1326	1.9299	1.1747	8.6800e-003	0.2710	0.0438	0.3148	0.0771	0.0403	0.1174		816.5553	816.5553	4.8700e-003		816.6576
Worker	0.2704	0.6274	7.8832	0.0256	2.0518	0.0146	2.0663	0.5440	0.0135	0.5575		1,841.0274	1,841.0274	0.0822		1,842.7545
Total	0.4034	2.5633	9.0610	0.0343	2.3259	0.0585	2.3844	0.6219	0.0539	0.6758		2,659.8123	2,659.8123	0.0871		2,661.6419

3.3 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,083.1600	7,083.1600	1.9420		7,123.9416
Total	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,083.1600	7,083.1600	1.9420		7,123.9416

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	3.7000e-004	5.9500e-003	3.1200e-003	2.0000e-005	3.2100e-003	1.3000e-004	3.3400e-003	8.0000e-004	1.2000e-004	9.2000e-004		2.2296	2.2296	2.0000e-005		2.2299
Vendor	0.1326	1.9299	1.1747	8.6800e-003	0.2710	0.0438	0.3148	0.0771	0.0403	0.1174		816.5553	816.5553	4.8700e-003		816.6576
Worker	0.2704	0.6274	7.8832	0.0256	2.0518	0.0146	2.0663	0.5440	0.0135	0.5575		1,841.0274	1,841.0274	0.0822		1,842.7545
Total	0.4034	2.5633	9.0610	0.0343	2.3259	0.0585	2.3844	0.6219	0.0539	0.6758		2,659.8123	2,659.8123	0.0871		2,661.6419

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

4.4 Fleet Mix

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					
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		0.0000	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

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					
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		0.0000	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	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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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
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10.0 Vegetation

North-South Project - Spread 1 (Koala to Baldy Mesa)
Mojave Desert AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	72.73	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - per ARB
- Construction Phase - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Trips and VMT - per ARB
- On-road Fugitive Dust -
- Grading - per project description
- Construction Off-road Equipment Mitigation - Use of Tier 3 off-road equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1,110.00	78.00
tblConstructionPhase	NumDays	40.00	67.00
tblGrading	AcresOfGrading	33.50	72.73
tblGrading	MaterialExported	0.00	46,933.00
tblGrading	MaterialImported	0.00	23,467.00
tblLandUse	LotAcreage	0.00	72.73
tblOffRoadEquipment	HorsePower	226.00	46.00

tblOffRoadEquipment	HorsePower	97.00	80.00
tblOffRoadEquipment	HorsePower	162.00	89.00
tblOffRoadEquipment	LoadFactor	0.29	0.45
tblOffRoadEquipment	LoadFactor	0.37	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	8,800.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	42.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	195.00

tbTripsAndVMT	WorkerTripNumber	0.00	195.00
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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					
2018	2.3289	16.6113	40.8665	0.0981	9.0223	0.7281	9.7504	2.2001	0.6700	2.8701	0.0000	7,888.2327	7,888.2327	0.6150	0.0000	7,901.1482
2019	20.4020	168.5357	170.0296	0.3373	9.2984	8.9511	18.2495	2.4999	8.4199	10.9198	0.0000	30,448.2369	30,448.2369	5.4321	0.0000	30,562.3114
Total	22.7309	185.1469	210.8961	0.4354	18.3207	9.6792	27.9999	4.7000	9.0899	13.7900	0.0000	38,336.4696	38,336.4696	6.0471	0.0000	38,463.4595

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	1.5051	10.5487	40.8585	0.0981	9.0223	0.3533	9.3756	2.2001	0.3437	2.5439	0.0000	7,888.2327	7,888.2327	0.6150	0.0000	7,901.1482
2019	7.3531	120.5111	179.3650	0.3373	9.2984	6.1477	15.4460	2.4999	6.1087	8.6087	0.0000	30,448.2368	30,448.2368	5.4321	0.0000	30,562.3114
Total	8.8583	131.0598	220.2235	0.4354	18.3207	6.5009	24.8216	4.7000	6.4525	11.1525	0.0000	38,336.4696	38,336.4696	6.0471	0.0000	38,463.4595

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	61.03	29.21	-4.42	0.00	0.00	32.84	11.35	0.00	29.02	19.13	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	10/1/2018	1/1/2019	5	67	
2	Building Construction	Building Construction	1/2/2019	4/19/2019	5	78	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	174	0.41
Site Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Air Compressors	5	4.00	78	0.48
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	205	0.50
Building Construction	Cranes	1	8.00	46	0.45
Building Construction	Cranes	3	4.00	226	0.29
Building Construction	Excavators	4	8.00	162	0.38
Building Construction	Excavators	1	6.00	89	0.20
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	80	0.50
Building Construction	Welders	14	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep	2	195.00	7.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	55	195.00	42.00	3.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Site Prep - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2989	0.0000	1.2989	0.1467	0.0000	0.1467			0.0000			0.0000
Off-Road	1.0317	10.2824	6.4200	8.5400e-003		0.6069	0.6069		0.5583	0.5583		860.3924	860.3924	0.2679		866.0172
Total	1.0317	10.2824	6.4200	8.5400e-003	1.2989	0.6069	1.9057	0.1467	0.5583	0.7050		860.3924	860.3924	0.2679		866.0172

3.2 Site Prep - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.1581	2.4813	1.9934	9.6400e-003	0.3143	0.0799	0.3942	0.0891	0.0735	0.1626		939.8113	939.8113	4.2800e-003			939.9011
Worker	1.1391	3.8476	32.4531	0.0799	7.4091	0.0413	7.4505	1.9643	0.0382	2.0025		6,088.0291	6,088.0291	0.3429			6,095.2298
Total	1.2972	6.3289	34.4465	0.0896	7.7235	0.1212	7.8447	2.0535	0.1117	2.1651		7,027.8404	7,027.8404	0.3472			7,035.1309

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					1.2989	0.0000	1.2989	0.1467	0.0000	0.1467			0.0000			0.0000	
Off-Road	0.2080	4.2199	6.4120	8.5400e-003		0.2321	0.2321		0.2321	0.2321	0.0000	860.3924	860.3924	0.2679			866.0172
Total	0.2080	4.2199	6.4120	8.5400e-003	1.2989	0.2321	1.5309	0.1467	0.2321	0.3787	0.0000	860.3924	860.3924	0.2679			866.0172

3.2 Site Prep - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	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	0.1581	2.4813	1.9934	9.6400e-003	0.3143	0.0799	0.3942	0.0891	0.0735	0.1626		939.8113	939.8113	4.2800e-003			939.9011
Worker	1.1391	3.8476	32.4531	0.0799	7.4091	0.0413	7.4505	1.9643	0.0382	2.0025		6,088.0291	6,088.0291	0.3429			6,095.2298
Total	1.2972	6.3289	34.4465	0.0896	7.7235	0.1212	7.8447	2.0535	0.1117	2.1651		7,027.8404	7,027.8404	0.3472			7,035.1309

3.2 Site Prep - 2019

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					1.2989	0.0000	1.2989	0.1467	0.0000	0.1467			0.0000				0.0000
Off-Road	0.9406	9.3194	6.3269	8.5400e-003		0.5404	0.5404		0.4972	0.4972		845.9798	845.9798	0.2677			851.6007
Total	0.9406	9.3194	6.3269	8.5400e-003	1.2989	0.5404	1.8393	0.1467	0.4972	0.6439		845.9798	845.9798	0.2677			851.6007

3.2 Site Prep - 2019

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	0.1471	2.2156	1.8626	9.6200e-003	0.3143	0.0747	0.3890	0.0891	0.0687	0.1578		923.0961	923.0961	4.0900e-003		923.1821
Worker	0.9844	3.5020	29.4840	0.0797	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		5,849.3463	5,849.3463	0.3203		5,856.0719
Total	1.1315	5.7176	31.3466	0.0894	7.7234	0.1154	7.8388	2.0534	0.1064	2.1599		6,772.4424	6,772.4424	0.3244		6,779.2540

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					1.2989	0.0000	1.2989	0.1467	0.0000	0.1467			0.0000			0.0000
Off-Road	0.2080	4.2199	6.4120	8.5400e-003		0.2321	0.2321		0.2321	0.2321	0.0000	845.9798	845.9798	0.2677		851.6007
Total	0.2080	4.2199	6.4120	8.5400e-003	1.2989	0.2321	1.5309	0.1467	0.2321	0.3787	0.0000	845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1471	2.2156	1.8626	9.6200e-003	0.3143	0.0747	0.3890	0.0891	0.0687	0.1578		923.0961	923.0961	4.0900e-003		923.1821
Worker	0.9844	3.5020	29.4840	0.0797	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		5,849.3463	5,849.3463	0.3203		5,856.0719
Total	1.1315	5.7176	31.3466	0.0894	7.7234	0.1154	7.8388	2.0534	0.1064	2.1599		6,772.4424	6,772.4424	0.3244		6,779.2540

3.3 Building Construction - 2019

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	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872		19,154.4398
Total	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	1.6800e-003	0.0266	0.0195	1.3000e-004	3.3700e-003	9.7000e-004	4.3300e-003	9.2000e-004	8.9000e-004	1.8100e-003		12.7059	12.7059	6.0000e-005		12.7071
Vendor	0.8828	13.2935	11.1756	0.0577	1.8859	0.4480	2.3339	0.5347	0.4122	0.9469		5,538.5766	5,538.5766	0.0246		5,539.0925
Worker	0.9844	3.5020	29.4840	0.0797	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		5,849.3463	5,849.3463	0.3203		5,856.0719
Total	1.8689	16.8222	40.6791	0.1376	9.2984	0.4897	9.7881	2.4999	0.4508	2.9507		11,400.6287	11,400.6287	0.3449		11,407.8716

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	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398
Total	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	1.6800e-003	0.0266	0.0195	1.3000e-004	3.3700e-003	9.7000e-004	4.3300e-003	9.2000e-004	8.9000e-004	1.8100e-003		12.7059	12.7059	6.0000e-005		12.7071
Vendor	0.8828	13.2935	11.1756	0.0577	1.8859	0.4480	2.3339	0.5347	0.4122	0.9469		5,538.5766	5,538.5766	0.0246		5,539.0925
Worker	0.9844	3.5020	29.4840	0.0797	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		5,849.3463	5,849.3463	0.3203		5,856.0719
Total	1.8689	16.8222	40.6791	0.1376	9.2984	0.4897	9.7881	2.4999	0.4508	2.9507		11,400.6287	11,400.6287	0.3449		11,407.8716

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

5.1 Fleet Mix

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					
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	
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	

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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		0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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
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10.0 Vegetation

North-South Project - Spread 2a (National Forest)
Mojave Desert AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	51.52	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Grading - per project description
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1,110.00	76.00
tblConstructionPhase	NumDays	40.00	21.00
tblGrading	AcresOfGrading	10.50	51.52
tblGrading	MaterialExported	0.00	33,244.00
tblGrading	MaterialImported	0.00	16,622.00
tblLandUse	LotAcreage	0.00	51.52
tblOffRoadEquipment	HorsePower	226.00	46.00

tblOffRoadEquipment	HorsePower	97.00	80.00
tblOffRoadEquipment	HorsePower	162.00	89.00
tblOffRoadEquipment	LoadFactor	0.29	0.45
tblOffRoadEquipment	LoadFactor	0.37	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Prep
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	6,233.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	42.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00

tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	195.00
tblTripsAndVMT	WorkerTripNumber	0.00	195.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	2/13/2019	3/13/2019	5	21	
2	Building Construction	Building Construction	3/14/2019	6/27/2019	5	76	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	174	0.41
Site Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Air Compressors	5	4.00	78	0.48
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	205	0.50
Building Construction	Cranes	1	8.00	46	0.45
Building Construction	Cranes	3	4.00	226	0.29
Building Construction	Excavators	4	8.00	162	0.38
Building Construction	Excavators	1	6.00	89	0.20
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	80	0.50
Building Construction	Welders	14	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep	2	195.00	7.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	55	195.00	42.00	3.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Site Prep - 2019

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					2.9354	0.0000	2.9354	0.3315	0.0000	0.3315			0.0000			0.0000
Off-Road	0.9406	9.3194	6.3269	8.5400e-003		0.5404	0.5404		0.4972	0.4972		845.9798	845.9798	0.2677		851.6007
Total	0.9406	9.3194	6.3269	8.5400e-003	2.9354	0.5404	3.4759	0.3315	0.4972	0.8287		845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1471	2.2156	1.8626	9.6200e-003	0.3143	0.0747	0.3890	0.0891	0.0687	0.1578		923.0961	923.0961	4.0900e-003		923.1821
Worker	0.9844	3.5020	29.4840	0.0797	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		5,849.3463	5,849.3463	0.3203		5,856.0719
Total	1.1315	5.7176	31.3466	0.0894	7.7234	0.1154	7.8388	2.0534	0.1064	2.1599		6,772.4424	6,772.4424	0.3244		6,779.2540

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9354	0.0000	2.9354	0.3315	0.0000	0.3315			0.0000			0.0000
Off-Road	0.2080	4.2199	6.4120	8.5400e-003		0.2321	0.2321		0.2321	0.2321	0.0000	845.9798	845.9798	0.2677		851.6007
Total	0.2080	4.2199	6.4120	8.5400e-003	2.9354	0.2321	3.1675	0.3315	0.2321	0.5635	0.0000	845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1471	2.2156	1.8626	9.6200e-003	0.3143	0.0747	0.3890	0.0891	0.0687	0.1578		923.0961	923.0961	4.0900e-003		923.1821
Worker	0.9844	3.5020	29.4840	0.0797	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		5,849.3463	5,849.3463	0.3203		5,856.0719
Total	1.1315	5.7176	31.3466	0.0894	7.7234	0.1154	7.8388	2.0534	0.1064	2.1599		6,772.4424	6,772.4424	0.3244		6,779.2540

3.3 Building Construction - 2019

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	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872		19,154.4398
Total	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	1.7200e-003	0.0273	0.0200	1.4000e-004	3.4600e-003	9.9000e-004	4.4500e-003	9.5000e-004	9.1000e-004	1.8600e-003		13.0403	13.0403	6.0000e-005		13.0415
Vendor	0.8828	13.2935	11.1756	0.0577	1.8859	0.4480	2.3339	0.5347	0.4122	0.9469		5,538.5766	5,538.5766	0.0246		5,539.0925
Worker	0.9844	3.5020	29.4840	0.0797	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		5,849.3463	5,849.3463	0.3203		5,856.0719
Total	1.8690	16.8229	40.6796	0.1376	9.2985	0.4897	9.7882	2.5000	0.4508	2.9508		11,400.9631	11,400.9631	0.3449		11,408.2060

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	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398
Total	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	1.7200e-003	0.0273	0.0200	1.4000e-004	3.4600e-003	9.9000e-004	4.4500e-003	9.5000e-004	9.1000e-004	1.8600e-003		13.0403	13.0403	6.0000e-005		13.0415
Vendor	0.8828	13.2935	11.1756	0.0577	1.8859	0.4480	2.3339	0.5347	0.4122	0.9469		5,538.5766	5,538.5766	0.0246		5,539.0925
Worker	0.9844	3.5020	29.4840	0.0797	7.4091	0.0407	7.4498	1.9643	0.0377	2.0021		5,849.3463	5,849.3463	0.3203		5,856.0719
Total	1.8690	16.8229	40.6796	0.1376	9.2985	0.4897	9.7882	2.5000	0.4508	2.9508		11,400.9631	11,400.9631	0.3449		11,408.2060

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

5.1 Fleet Mix

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					
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		0.0000	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

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						
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		0.0000	0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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
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10.0 Vegetation

North-South Project - Spread 2b (National Forest)
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	10.30	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Grading - per project description
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	250
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	250
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
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	300.00	76.00
tblConstructionPhase	NumDays	10.00	21.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblGrading	AcresOfGrading	10.50	10.30
tblGrading	MaterialExported	0.00	6,649.00

tblGrading	MaterialImported	0.00	3,324.00
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	10.30
tblOffRoadEquipment	HorsePower	226.00	46.00
tblOffRoadEquipment	HorsePower	97.00	80.00
tblOffRoadEquipment	HorsePower	162.00	89.00
tblOffRoadEquipment	LoadFactor	0.29	0.45
tblOffRoadEquipment	LoadFactor	0.37	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Prep
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	1,247.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripLength	6.90	50.00

tblTripsAndVMT	VendorTripLength	6.90	50.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	42.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	195.00
tblTripsAndVMT	WorkerTripNumber	0.00	195.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10

tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
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tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72

tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
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tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
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tblVehicleEF	HHD	0.28	0.70

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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15

tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30

tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003

tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004

tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07

tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14

tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04

tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19

tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003

tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29

tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71

tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004

tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004

tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13

tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98

tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51

tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28

tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003

tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28

tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05

tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20

tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18

tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08

tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07

tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39

tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44

tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89
tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74

tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38

tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94

tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

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					
2019	20.5576	170.8085	165.8064	0.3471	9.3092	8.8499	18.1590	2.5048	8.3269	10.8317	0.0000	31,394.0850	31,394.0850	5.4360	0.0000	31,508.2404
Total	20.5576	170.8085	165.8064	0.3471	9.3092	8.8499	18.1590	2.5048	8.3269	10.8317	0.0000	31,394.0850	31,394.0850	5.4360	0.0000	31,508.2404

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					
2019	7.5087	122.7840	175.1417	0.3471	9.3092	6.0464	15.3556	2.5048	6.0157	8.5205	0.0000	31,394.0849	31,394.0849	5.4360	0.0000	31,508.2404
Total	7.5087	122.7840	175.1417	0.3471	9.3092	6.0464	15.3556	2.5048	6.0157	8.5205	0.0000	31,394.0849	31,394.0849	5.4360	0.0000	31,508.2404

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	63.47	28.12	-5.63	0.00	0.00	31.68	15.44	0.00	27.76	21.34	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	2/13/2019	3/13/2019	5	21	
2	Building Construction	Building Construction	3/14/2019	6/27/2019	5	76	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	174	0.41
Site Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Air Compressors	5	4.00	78	0.48
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	205	0.50
Building Construction	Cranes	1	8.00	46	0.45
Building Construction	Cranes	3	4.00	226	0.29
Building Construction	Excavators	4	8.00	162	0.38
Building Construction	Excavators	1	6.00	89	0.20
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	80	0.50
Building Construction	Welders	14	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep	2	195.00	7.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	55	195.00	42.00	3.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Site Prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5739	0.0000	0.5739	0.0643	0.0000	0.0643			0.0000			0.0000
Off-Road	0.9406	9.3194	6.3269	8.5400e-003		0.5404	0.5404		0.4972	0.4972		845.9798	845.9798	0.2677		851.6007
Total	0.9406	9.3194	6.3269	8.5400e-003	0.5739	0.5404	1.1143	0.0643	0.4972	0.5615		845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1660	2.7292	1.5605	0.0101	0.3161	0.0558	0.3719	0.0899	0.0513	0.1412		973.4656	973.4656	5.9100e-003		973.5898
Worker	1.0264	2.6780	27.0730	0.0864	7.4091	0.0531	7.4622	1.9643	0.0492	2.0135		6,492.0493	6,492.0493	0.3132		6,498.6258
Total	1.1924	5.4072	28.6335	0.0966	7.7252	0.1088	7.8341	2.0543	0.1005	2.1547		7,465.5149	7,465.5149	0.3191		7,472.2157

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5739	0.0000	0.5739	0.0643	0.0000	0.0643			0.0000			0.0000
Off-Road	0.2080	4.2199	6.4120	8.5400e-003		0.2321	0.2321		0.2321	0.2321	0.0000	845.9798	845.9798	0.2677		851.6007
Total	0.2080	4.2199	6.4120	8.5400e-003	0.5739	0.2321	0.8059	0.0643	0.2321	0.2964	0.0000	845.9798	845.9798	0.2677		851.6007

3.2 Site Prep - 2019

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	0.1660	2.7292	1.5605	0.0101	0.3161	0.0558	0.3719	0.0899	0.0513	0.1412		973.4656	973.4656	5.9100e-003		973.5898
Worker	1.0264	2.6780	27.0730	0.0864	7.4091	0.0531	7.4622	1.9643	0.0492	2.0135		6,492.0493	6,492.0493	0.3132		6,498.6258
Total	1.1924	5.4072	28.6335	0.0966	7.7252	0.1088	7.8341	2.0543	0.1005	2.1547		7,465.5149	7,465.5149	0.3191		7,472.2157

3.3 Building Construction - 2019

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	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872		19,154.4398
Total	18.5331	151.7135	129.3506	0.1998		8.4614	8.4614		7.9691	7.9691		19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	2.2800e-003	0.0417	0.0199	1.4000e-004	3.4400e-003	7.8000e-004	4.2100e-003	9.4000e-004	7.2000e-004	1.6600e-003		13.6338	13.6338	9.0000e-005		13.6358
Vendor	0.9959	16.3753	9.3629	0.0608	1.8966	0.3346	2.2312	0.5395	0.3079	0.8474		5,840.7937	5,840.7937	0.0355		5,841.5390
Worker	1.0264	2.6780	27.0730	0.0864	7.4091	0.0531	7.4622	1.9643	0.0492	2.0135		6,492.0493	6,492.0493	0.3132		6,498.6258
Total	2.0246	19.0950	36.4558	0.1474	9.3092	0.3885	9.6976	2.5048	0.3578	2.8625		12,346.4768	12,346.4768	0.3488		12,353.8006

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	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398
Total	5.4842	103.6889	138.6859	0.1998		5.6580	5.6580		5.6580	5.6580	0.0000	19,047.6081	19,047.6081	5.0872		19,154.4398

3.3 Building Construction - 2019

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	2.2800e-003	0.0417	0.0199	1.4000e-004	3.4400e-003	7.8000e-004	4.2100e-003	9.4000e-004	7.2000e-004	1.6600e-003		13.6338	13.6338	9.0000e-005		13.6358
Vendor	0.9959	16.3753	9.3629	0.0608	1.8966	0.3346	2.2312	0.5395	0.3079	0.8474		5,840.7937	5,840.7937	0.0355		5,841.5390
Worker	1.0264	2.6780	27.0730	0.0864	7.4091	0.0531	7.4622	1.9643	0.0492	2.0135		6,492.0493	6,492.0493	0.3132		6,498.6258
Total	2.0246	19.0950	36.4558	0.1474	9.3092	0.3885	9.6976	2.5048	0.3578	2.8625		12,346.4768	12,346.4768	0.3488		12,353.8006

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

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					
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		0.0000	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

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						
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		0.0000	0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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
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10.0 Vegetation

North-South Project - Spread 3 (Route 66)
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	29.70	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per project description

 On-road Fugitive Dust -
 Grading -
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	440.00	186.00
tblConstructionPhase	PhaseEndDate	12/6/2019	12/7/2019
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	29.70
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
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tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020

tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003

tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52

tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69

tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21

tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11

tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003

tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004

tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09

tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11

tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04

tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35

tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004

tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24

tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003

tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004

tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88

tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49

tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32

tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003

tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003

tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003

tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29

tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33

tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05

tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67

tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003

tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18

tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003

tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004

tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00

tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004

tblVehicleEF	SBUS	6.62	6.89
tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17

tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27

tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96

tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Route 66	Building Construction	3/22/2019	12/7/2019	5	186	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Route 66	Air Compressors	8	4.00	78	0.48
Route 66	Air Compressors	2	6.00	78	0.48
Route 66	Air Compressors	2	4.00	78	0.48
Route 66	Bore/Drill Rigs	1	4.00	205	0.50
Route 66	Concrete/Industrial Saws	2	4.00	81	0.73
Route 66	Cranes	2	5.00	226	0.29
Route 66	Cranes	4	5.00	226	0.29
Route 66	Excavators	1	5.00	162	0.38
Route 66	Forklifts	2	4.00	89	0.20
Route 66	Generator Sets	6	2.00	49	0.74
Route 66	Generator Sets	3	6.00	84	0.74
Route 66	Other Construction Equipment	2	4.00	171	0.42
Route 66	Other Construction Equipment	3	4.00	171	0.42
Route 66	Other Construction Equipment	2	4.00	171	0.42
Route 66	Other Construction Equipment	1	4.00	171	0.42
Route 66	Other Construction Equipment	1	4.00	171	0.42
Route 66	Pavers	1	4.00	125	0.42
Route 66	Pumps	1	5.00	84	0.74
Route 66	Pumps	1	6.00	84	0.74
Route 66	Pumps	2	4.00	84	0.74
Route 66	Rollers	2	5.00	80	0.38
Route 66	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Route 66	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Route 66	Welders	14	5.00	46	0.45

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
Route 66	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Route 66 - 2019

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	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570
Total	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Route 66 - 2019

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	6.2000e-004	0.0114	5.4300e-003	4.0000e-005	9.4000e-004	2.1000e-004	1.1500e-003	2.6000e-004	1.9000e-004	4.5000e-004		3.7139	3.7139	3.0000e-005		3.7144
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0261	4.0370	12.8754	0.0332	2.2110	0.0710	2.2819	0.5924	0.0654	0.6578		2,703.7476	2,703.7476	0.0922		2,705.6831

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	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570
Total	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Route 66 - 2019

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	6.2000e-004	0.0114	5.4300e-003	4.0000e-005	9.4000e-004	2.1000e-004	1.1500e-003	2.6000e-004	1.9000e-004	4.5000e-004		3.7139	3.7139	3.0000e-005		3.7144
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0261	4.0370	12.8754	0.0332	2.2110	0.0710	2.2819	0.5924	0.0654	0.6578		2,703.7476	2,703.7476	0.0922		2,705.6831

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

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					
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	
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	

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
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		0.0000	0.0000	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	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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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
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10.0 Vegetation

**North-South Project - Spread 4 (So Gardena St to Kendall)
South Coast AQMD Air District, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	39.39	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Construction Off-road Equipment Mitigation - Utilized Tier 3 for off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	740.00	282.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	39.39
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
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tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	150.00

tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003

tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97

tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76

tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10

tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003

tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004

tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30

tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17

tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96

tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004

tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22

tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13

tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003

tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003

tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07

tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004

tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003

tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003

tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003

tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09

tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003

tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89

tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44

tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96

tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003

tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	So Gardena St to Kendall	Building Construction	10/1/2018	10/29/2019	5	282	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
So Gardena St to Kendall	Air Compressors	8	4.00	78	0.48
So Gardena St to Kendall	Air Compressors	2	6.00	78	0.48
So Gardena St to Kendall	Air Compressors	2	4.00	78	0.48
So Gardena St to Kendall	Bore/Drill Rigs	1	4.00	205	0.50
So Gardena St to Kendall	Concrete/Industrial Saws	2	4.00	81	0.73
So Gardena St to Kendall	Cranes	2	5.00	226	0.29
So Gardena St to Kendall	Cranes	4	5.00	226	0.29
So Gardena St to Kendall	Excavators	1	5.00	162	0.38
So Gardena St to Kendall	Forklifts	2	4.00	89	0.20
So Gardena St to Kendall	Generator Sets	6	2.00	49	0.74
So Gardena St to Kendall	Generator Sets	3	6.00	84	0.74
So Gardena St to Kendall	Other Construction Equipment	2	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	3	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	2	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	1	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	1	4.00	171	0.42
So Gardena St to Kendall	Pavers	1	4.00	125	0.42
So Gardena St to Kendall	Pumps	1	5.00	84	0.74
So Gardena St to Kendall	Pumps	1	6.00	84	0.74
So Gardena St to Kendall	Pumps	2	4.00	84	0.74
So Gardena St to Kendall	Rollers	2	5.00	80	0.38
So Gardena St to Kendall	Tractors/Loaders/Backhoes	5	6.00	97	0.37
So Gardena St to Kendall	Tractors/Loaders/Backhoes	6	4.00	97	0.37
So Gardena St to Kendall	Welders	14	5.00	46	0.45

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
So Gardena St to Kendall	74	232.00	46.00	2.00	10.80	7.30	150.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 So Gardena St to Kendall - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493
Total	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 So Gardena St to Kendall - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0000e-004	0.0120	4.9700e-003	4.0000e-005	3.2300e-003	2.1000e-004	3.4400e-003	8.2000e-004	1.9000e-004	1.0100e-003		3.7416	3.7416	3.0000e-005		3.7421
Vendor	0.3656	3.5485	5.0627	0.0104	0.3042	0.0586	0.3628	0.0866	0.0539	0.1405		1,013.5886	1,013.5886	7.4000e-003		1,013.7440
Worker	0.7358	0.8255	8.7022	0.0228	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,773.6829	1,773.6829	0.0907		1,775.5883
Total	1.1020	4.3860	13.7698	0.0333	2.2133	0.0742	2.2875	0.5930	0.0683	0.6613		2,791.0131	2,791.0131	0.0982		2,793.0743

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	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493
Total	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 So Gardena St to Kendall - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0000e-004	0.0120	4.9700e-003	4.0000e-005	3.2300e-003	2.1000e-004	3.4400e-003	8.2000e-004	1.9000e-004	1.0100e-003		3.7416	3.7416	3.0000e-005		3.7421
Vendor	0.3656	3.5485	5.0627	0.0104	0.3042	0.0586	0.3628	0.0866	0.0539	0.1405		1,013.5886	1,013.5886	7.4000e-003		1,013.7440
Worker	0.7358	0.8255	8.7022	0.0228	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,773.6829	1,773.6829	0.0907		1,775.5883
Total	1.1020	4.3860	13.7698	0.0333	2.2133	0.0742	2.2875	0.5930	0.0683	0.6613		2,791.0131	2,791.0131	0.0982		2,793.0743

3.2 So Gardena St to Kendall - 2019

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	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570
Total	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 So Gardena St to Kendall - 2019

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	5.9000e-004	0.0112	4.9000e-003	4.0000e-005	1.1400e-003	2.1000e-004	1.3500e-003	3.1000e-004	1.9000e-004	5.0000e-004		3.6689	3.6689	3.0000e-005		3.6694
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0261	4.0368	12.8749	0.0332	2.2112	0.0710	2.2821	0.5925	0.0654	0.6578		2,703.7026	2,703.7026	0.0922		2,705.6381

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	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570
Total	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 So Gardena St to Kendall - 2019

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	5.9000e-004	0.0112	4.9000e-003	4.0000e-005	1.1400e-003	2.1000e-004	1.3500e-003	3.1000e-004	1.9000e-004	5.0000e-004		3.6689	3.6689	3.0000e-005		3.6694
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0261	4.0368	12.8749	0.0332	2.2112	0.0710	2.2821	0.5925	0.0654	0.6578		2,703.7026	2,703.7026	0.0922		2,705.6381

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

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					
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	
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	

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
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		0.0000	0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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
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10.0 Vegetation

North-South Project - Spread 5a (Reche Canyon No. 1)
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	20.61	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per project description

 On-road Fugitive Dust -
 Construction Off-road Equipment Mitigation - utilized Tier 3 off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	370.00	204.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	20.61
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
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tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00

tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003

tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97

tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76

tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10

tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003

tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004

tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30

tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17

tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
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tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96

tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004

tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22

tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13

tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003

tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003

tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07

tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004

tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003

tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003

tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003

tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09

tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003

tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89

tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44

tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96

tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003

tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Reche Canyon No.1	Building Construction	10/29/2018	8/8/2019	5	204	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reche Canyon No.1	Air Compressors	8	4.00	78	0.48
Reche Canyon No.1	Air Compressors	2	6.00	78	0.48
Reche Canyon No.1	Air Compressors	2	4.00	78	0.48
Reche Canyon No.1	Bore/Drill Rigs	1	4.00	205	0.50
Reche Canyon No.1	Concrete/Industrial Saws	2	4.00	81	0.73
Reche Canyon No.1	Cranes	2	5.00	226	0.29
Reche Canyon No.1	Cranes	4	5.00	226	0.29
Reche Canyon No.1	Excavators	1	5.00	162	0.38
Reche Canyon No.1	Forklifts	2	4.00	89	0.20
Reche Canyon No.1	Generator Sets	6	2.00	49	0.74
Reche Canyon No.1	Generator Sets	3	6.00	84	0.74
Reche Canyon No.1	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	3	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.1	Pavers	1	4.00	125	0.42
Reche Canyon No.1	Pumps	1	5.00	84	0.74
Reche Canyon No.1	Pumps	1	6.00	84	0.74
Reche Canyon No.1	Pumps	2	4.00	84	0.74
Reche Canyon No.1	Rollers	2	5.00	80	0.38
Reche Canyon No.1	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Reche Canyon No.1	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Reche Canyon No.1	Welders	14	5.00	46	0.45

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
Reche Canyon No.1	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Reche Canyon No.1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493
Total	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 Reche Canyon No.1 - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8000e-004	0.0111	5.0200e-003	4.0000e-005	3.0800e-003	1.9000e-004	3.2700e-003	7.8000e-004	1.8000e-004	9.6000e-004		3.4533	3.4533	2.0000e-005		3.4538
Vendor	0.3656	3.5485	5.0627	0.0104	0.3042	0.0586	0.3628	0.0866	0.0539	0.1405		1,013.5886	1,013.5886	7.4000e-003		1,013.7440
Worker	0.7358	0.8255	8.7022	0.0228	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,773.6829	1,773.6829	0.0907		1,775.5883
Total	1.1020	4.3851	13.7699	0.0333	2.2131	0.0742	2.2873	0.5929	0.0683	0.6613		2,790.7248	2,790.7248	0.0982		2,792.7860

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	4.0665	88.1018	115.7183	0.1760		5.2963	5.2963		5.3133	5.3133	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493
Total	4.0665	88.1018	115.7183	0.1760		5.2963	5.2963		5.3133	5.3133	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 Reche Canyon No.1 - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8000e-004	0.0111	5.0200e-003	4.0000e-005	3.0800e-003	1.9000e-004	3.2700e-003	7.8000e-004	1.8000e-004	9.6000e-004		3.4533	3.4533	2.0000e-005		3.4538
Vendor	0.3656	3.5485	5.0627	0.0104	0.3042	0.0586	0.3628	0.0866	0.0539	0.1405		1,013.5886	1,013.5886	7.4000e-003		1,013.7440
Worker	0.7358	0.8255	8.7022	0.0228	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,773.6829	1,773.6829	0.0907		1,775.5883
Total	1.1020	4.3851	13.7699	0.0333	2.2131	0.0742	2.2873	0.5929	0.0683	0.6613		2,790.7248	2,790.7248	0.0982		2,792.7860

3.2 Reche Canyon No.1 - 2019

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	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570
Total	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Reche Canyon No.1 - 2019

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	5.7000e-004	0.0104	4.9500e-003	4.0000e-005	1.0400e-003	1.9000e-004	1.2400e-003	2.8000e-004	1.8000e-004	4.6000e-004		3.3862	3.3862	2.0000e-005		3.3867
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0261	4.0360	12.8749	0.0332	2.2111	0.0709	2.2820	0.5924	0.0654	0.6578		2,703.4199	2,703.4199	0.0922		2,705.3553

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	4.1283	88.7400	115.7486	0.1760		5.3360	5.3360		5.3516	5.3516	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570
Total	4.1283	88.7400	115.7486	0.1760		5.3360	5.3360		5.3516	5.3516	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Reche Canyon No.1 - 2019

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	5.7000e-004	0.0104	4.9500e-003	4.0000e-005	1.0400e-003	1.9000e-004	1.2400e-003	2.8000e-004	1.8000e-004	4.6000e-004		3.3862	3.3862	2.0000e-005		3.3867
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0261	4.0360	12.8749	0.0332	2.2111	0.0709	2.2820	0.5924	0.0654	0.6578		2,703.4199	2,703.4199	0.0922		2,705.3553

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

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					
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		0.0000	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

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					
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		0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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
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10.0 Vegetation

North-South Project - Spread 5b (Reche Canyon No. 2)
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	12.12	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	29.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	12.12
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
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tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00

tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003

tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97

tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76

tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10

tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003

tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004

tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30

tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17

tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
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tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96

tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004

tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22

tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13

tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003

tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003

tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07

tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004

tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003

tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003

tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003

tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09

tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
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tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003

tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
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tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
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tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
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tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
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tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
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tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
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tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
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tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
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tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89

tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
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tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
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tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
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tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
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tblVehicleEF	SBUS	2.04	2.05
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
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tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
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tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
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tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
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tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
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tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51

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tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
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tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
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tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
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tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
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tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
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tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
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tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Reche Canyon No.2	Building Construction	10/10/2019	11/19/2019	5	29	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reche Canyon No.2	Air Compressors	8	4.00	78	0.48
Reche Canyon No.2	Air Compressors	2	6.00	78	0.48
Reche Canyon No.2	Air Compressors	2	4.00	78	0.48
Reche Canyon No.2	Bore/Drill Rigs	1	4.00	205	0.50
Reche Canyon No.2	Concrete/Industrial Saws	2	4.00	81	0.73
Reche Canyon No.2	Cranes	2	5.00	226	0.29
Reche Canyon No.2	Cranes	4	5.00	226	0.29
Reche Canyon No.2	Excavators	1	5.00	162	0.38
Reche Canyon No.2	Forklifts	2	4.00	89	0.20
Reche Canyon No.2	Generator Sets	6	2.00	49	0.74
Reche Canyon No.2	Generator Sets	3	6.00	84	0.74
Reche Canyon No.2	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.2	Other Construction Equipment	3	4.00	171	0.42
Reche Canyon No.2	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.2	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.2	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.2	Pavers	1	4.00	125	0.42
Reche Canyon No.2	Pumps	1	5.00	84	0.74
Reche Canyon No.2	Pumps	1	6.00	84	0.74
Reche Canyon No.2	Pumps	2	4.00	84	0.74
Reche Canyon No.2	Rollers	2	5.00	80	0.38
Reche Canyon No.2	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Reche Canyon No.2	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Reche Canyon No.2	Welders	14	5.00	46	0.45

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
Reche Canyon No.2	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Reche Canyon No.2 - 2019

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	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570
Total	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Reche Canyon No.2 - 2019

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	3.9800e-003	0.0729	0.0348	2.5000e-004	6.0100e-003	1.3600e-003	7.3600e-003	1.6400e-003	1.2500e-003	2.8900e-003		23.8200	23.8200	1.6000e-004		23.8234
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0295	4.0986	12.9048	0.0334	2.2161	0.0721	2.2881	0.5938	0.0664	0.6602		2,723.8537	2,723.8537	0.0923		2,725.7921

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	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570
Total	4.5337	90.1729	113.9155	0.1760		5.3975	5.3975		5.3975	5.3975	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Reche Canyon No.2 - 2019

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	3.9800e-003	0.0729	0.0348	2.5000e-004	6.0100e-003	1.3600e-003	7.3600e-003	1.6400e-003	1.2500e-003	2.8900e-003		23.8200	23.8200	1.6000e-004		23.8234
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0295	4.0986	12.9048	0.0334	2.2161	0.0721	2.2881	0.5938	0.0664	0.6602		2,723.8537	2,723.8537	0.0923		2,725.7921

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

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					
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	
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	

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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		0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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
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10.0 Vegetation

North-South Project - Spread 6 (Moreno)
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	28.18	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Construction Off-road Equipment Mitigation - Utilized Tier 3 for off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	440.00	124.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	28.18
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80

tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15

tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11

tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65

tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003

tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05

tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09

tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02

tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07

tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59

tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33

tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01

tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
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tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003

tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08

tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13

tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14

tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01

tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003

tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53

tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09

tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08

tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58

tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07

tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92

tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07

tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01

tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003

tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003

tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004

tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25

tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89
tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05

tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88

tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50

tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08

tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Moreno	Building Construction	10/1/2018	3/21/2019	5	124	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Moreno	Air Compressors	8	4.00	78	0.48
Moreno	Air Compressors	2	6.00	78	0.48
Moreno	Air Compressors	2	4.00	78	0.48
Moreno	Bore/Drill Rigs	1	4.00	205	0.50
Moreno	Concrete/Industrial Saws	2	4.00	81	0.73
Moreno	Cranes	2	5.00	226	0.29
Moreno	Cranes	4	5.00	226	0.29
Moreno	Excavators	1	5.00	162	0.38
Moreno	Forklifts	2	4.00	89	0.20
Moreno	Generator Sets	6	2.00	49	0.74
Moreno	Generator Sets	3	6.00	84	0.74
Moreno	Other Construction Equipment	2	4.00	171	0.42
Moreno	Other Construction Equipment	3	4.00	171	0.42
Moreno	Other Construction Equipment	2	4.00	171	0.42
Moreno	Other Construction Equipment	1	4.00	171	0.42
Moreno	Other Construction Equipment	1	4.00	171	0.42
Moreno	Pavers	1	4.00	125	0.42
Moreno	Pumps	1	5.00	84	0.74
Moreno	Pumps	1	6.00	84	0.74
Moreno	Pumps	2	4.00	84	0.74
Moreno	Rollers	2	5.00	80	0.38
Moreno	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Moreno	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Moreno	Welders	14	5.00	46	0.45

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
Moreno	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Moreno - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493
Total	17.5916	139.6086	109.2747	0.1760		8.3965	8.3965		8.0491	8.0491		16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 Moreno - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.5000e-004	0.0183	8.2600e-003	6.0000e-005	2.3400e-003	3.2000e-004	2.6600e-003	6.1000e-004	2.9000e-004	9.1000e-004		5.6812	5.6812	4.0000e-005		5.6820
Vendor	0.3656	3.5485	5.0627	0.0104	0.3042	0.0586	0.3628	0.0866	0.0539	0.1405		1,013.5886	1,013.5886	7.4000e-003		1,013.7440
Worker	0.7358	0.8255	8.7022	0.0228	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,773.6829	1,773.6829	0.0907		1,775.5883
Total	1.1023	4.3923	13.7731	0.0333	2.2124	0.0743	2.2867	0.5928	0.0684	0.6612		2,792.9527	2,792.9527	0.0982		2,795.0142

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	4.0665	88.1018	115.7183	0.1760		5.2963	5.2963		5.3133	5.3133	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493
Total	4.0665	88.1018	115.7183	0.1760		5.2963	5.2963		5.3133	5.3133	0.0000	16,779.0174	16,779.0174	3.5634		16,853.8493

3.2 Moreno - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.5000e-004	0.0183	8.2600e-003	6.0000e-005	2.3400e-003	3.2000e-004	2.6600e-003	6.1000e-004	2.9000e-004	9.1000e-004		5.6812	5.6812	4.0000e-005		5.6820
Vendor	0.3656	3.5485	5.0627	0.0104	0.3042	0.0586	0.3628	0.0866	0.0539	0.1405		1,013.5886	1,013.5886	7.4000e-003		1,013.7440
Worker	0.7358	0.8255	8.7022	0.0228	1.9058	0.0154	1.9212	0.5055	0.0143	0.5198		1,773.6829	1,773.6829	0.0907		1,775.5883
Total	1.1023	4.3923	13.7731	0.0333	2.2124	0.0743	2.2867	0.5928	0.0684	0.6612		2,792.9527	2,792.9527	0.0982		2,795.0142

3.2 Moreno - 2019

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	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570
Total	15.6522	127.6039	107.2800	0.1760		7.3216	7.3216		7.0162	7.0162		16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Moreno - 2019

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	9.3000e-004	0.0171	8.1500e-003	6.0000e-005	2.6200e-003	3.2000e-004	2.9400e-003	6.8000e-004	2.9000e-004	9.7000e-004		5.5708	5.5708	4.0000e-005		5.5716
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0264	4.0427	12.8781	0.0332	2.2127	0.0711	2.2837	0.5928	0.0655	0.6583		2,705.6046	2,705.6046	0.0922		2,707.5403

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	4.1283	88.7400	115.7486	0.1760		5.3360	5.3360		5.3516	5.3516	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570
Total	4.1283	88.7400	115.7486	0.1760		5.3360	5.3360		5.3516	5.3516	0.0000	16,641.5334	16,641.5334	3.4535		16,714.0570

3.2 Moreno - 2019

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	9.3000e-004	0.0171	8.1500e-003	6.0000e-005	2.6200e-003	3.2000e-004	2.9400e-003	6.8000e-004	2.9000e-004	9.7000e-004		5.5708	5.5708	4.0000e-005		5.5716
Vendor	0.3457	3.2691	4.8954	0.0104	0.3042	0.0556	0.3598	0.0866	0.0511	0.1378		993.8492	993.8492	7.2600e-003		994.0017
Worker	0.6799	0.7566	7.9746	0.0227	1.9058	0.0152	1.9210	0.5055	0.0141	0.5196		1,706.1846	1,706.1846	0.0849		1,707.9670
Total	1.0264	4.0427	12.8781	0.0332	2.2127	0.0711	2.2837	0.5928	0.0655	0.6583		2,705.6046	2,705.6046	0.0922		2,707.5403

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

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					
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		0.0000	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

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					
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		0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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
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10.0 Vegetation

North-South Project - Compressor Station
Mojave Desert AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	3.20	User Defined Unit	3.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per project description
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Grading - per ARB
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	230.00	325.00
tblConstructionPhase	NumDays	5.00	67.00
tblLandUse	LotAcreage	0.00	3.20
tblOffRoadEquipment	HorsePower	171.00	205.00
tblOffRoadEquipment	LoadFactor	0.42	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripNumber	13.00	54.00
tblTripsAndVMT	WorkerTripNumber	0.00	54.00

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					
2018	2.3258	20.7808	25.2301	0.0556	2.4110	1.1300	3.5410	0.6458	1.0815	1.7274	0.0000	4,936.9567	4,936.9567	0.4795	0.0000	4,947.0271
2019	6.7062	66.1311	56.2818	0.1038	2.4110	3.6634	5.9852	0.6458	3.4169	4.0374	0.0000	9,623.2892	9,623.2892	2.0439	0.0000	9,666.2114
2020	6.1813	60.6663	54.9113	0.1038	2.3233	3.3017	5.6250	0.6209	3.0779	3.6988	0.0000	9,411.8336	9,411.8336	2.0292	0.0000	9,454.4461
Total	15.2133	147.5781	136.4232	0.2631	7.1453	8.0951	15.1512	1.9125	7.5763	9.4636	0.0000	23,972.0795	23,972.0795	4.5526	0.0000	24,067.6847

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.9872	14.5821	26.4067	0.0556	2.4110	0.7871	3.1981	0.6458	0.7789	1.4248	0.0000	4,936.9567	4,936.9567	0.4795	0.0000	4,947.0271
2019	2.1410	39.0182	60.9336	0.1038	2.4110	2.1156	4.4374	0.6458	2.1096	2.7301	0.0000	9,623.2892	9,623.2892	2.0439	0.0000	9,666.2114
2020	2.1002	38.6112	60.1879	0.1038	2.3233	2.1095	4.4328	0.6209	2.1040	2.7249	0.0000	9,411.8336	9,411.8336	2.0292	0.0000	9,454.4461
Total	5.2284	92.2115	147.5282	0.2631	7.1453	5.0121	12.0682	1.9125	4.9925	6.8798	0.0000	23,972.0795	23,972.0795	4.5526	0.0000	24,067.6847

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	65.63	37.52	-8.14	0.00	0.00	38.08	20.35	0.00	34.10	27.30	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	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
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	3.0000e-005	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004

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	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
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	3.0000e-005	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000	0.0000	7.4000e-004

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site prep	Site Preparation	10/1/2018	1/1/2019	5	67	
2	Building Construction	Building Construction	1/2/2019	3/31/2020	5	325	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site prep	Generator Sets	2	8.00	84	0.74
Site prep	Other Construction Equipment	1	8.00	205	0.50
Site prep	Other Construction Equipment	1	8.00	171	0.42
Site prep	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cranes	2	8.00	226	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Trenchers	1	8.00	80	0.50

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site prep	5	54.00	8.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	54.00	6.00	2.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site prep - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8297	16.8796	13.9649	0.0224		1.0273	1.0273		0.9870	0.9870		2,176.9709	2,176.9709	0.3797		2,184.9446
Total	1.8297	16.8796	13.9649	0.0224	0.0000	1.0273	1.0273	0.0000	0.9870	0.9870		2,176.9709	2,176.9709	0.3797		2,184.9446

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	0.1807	2.8357	2.2781	0.0110	0.3592	0.0913	0.4505	0.1019	0.0840	0.1858		1,074.0701	1,074.0701	4.8900e-003		1,074.1727
Worker	0.3154	1.0655	8.9870	0.0221	2.0518	0.0115	2.0632	0.5440	0.0106	0.5545		1,685.9157	1,685.9157	0.0950		1,687.9098
Total	0.4961	3.9012	11.2652	0.0332	2.4110	0.1027	2.5137	0.6458	0.0946	0.7404		2,759.9858	2,759.9858	0.0998		2,762.0825

3.2 Site prep - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4911	10.6809	15.1415	0.0224		0.6844	0.6844		0.6844	0.6844	0.0000	2,176.9709	2,176.9709	0.3797		2,184.9446
Total	0.4911	10.6809	15.1415	0.0224	0.0000	0.6844	0.6844	0.0000	0.6844	0.6844	0.0000	2,176.9709	2,176.9709	0.3797		2,184.9446

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	0.1807	2.8357	2.2781	0.0110	0.3592	0.0913	0.4505	0.1019	0.0840	0.1858		1,074.0701	1,074.0701	4.8900e-003		1,074.1727
Worker	0.3154	1.0655	8.9870	0.0221	2.0518	0.0115	2.0632	0.5440	0.0106	0.5545		1,685.9157	1,685.9157	0.0950		1,687.9098
Total	0.4961	3.9012	11.2652	0.0332	2.4110	0.1027	2.5137	0.6458	0.0946	0.7404		2,759.9858	2,759.9858	0.0998		2,762.0825

3.2 Site prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6428	15.5085	13.8734	0.0224		0.9034	0.9034		0.8673	0.8673		2,162.1935	2,162.1935	0.3688		2,169.9380
Total	1.6428	15.5085	13.8734	0.0224	0.0000	0.9034	0.9034	0.0000	0.8673	0.8673		2,162.1935	2,162.1935	0.3688		2,169.9380

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	0.1682	2.5321	2.1287	0.0110	0.3592	0.0853	0.4446	0.1018	0.0785	0.1804		1,054.9670	1,054.9670	4.6800e-003		1,055.0652
Worker	0.2726	0.9698	8.1648	0.0221	2.0518	0.0113	2.0630	0.5440	0.0105	0.5544		1,619.8190	1,619.8190	0.0887		1,621.6815
Total	0.4408	3.5019	10.2935	0.0331	2.4110	0.0966	2.5076	0.6458	0.0890	0.7348		2,674.7859	2,674.7859	0.0934		2,676.7467

3.2 Site prep - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4911	10.6809	15.1415	0.0224		0.6844	0.6844		0.6844	0.6844	0.0000	2,162.1935	2,162.1935	0.3688		2,169.9380
Total	0.4911	10.6809	15.1415	0.0224	0.0000	0.6844	0.6844	0.0000	0.6844	0.6844	0.0000	2,162.1935	2,162.1935	0.3688		2,169.9380

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	0.1682	2.5321	2.1287	0.0110	0.3592	0.0853	0.4446	0.1018	0.0785	0.1804		1,054.9670	1,054.9670	4.6800e-003		1,055.0652
Worker	0.2726	0.9698	8.1648	0.0221	2.0518	0.0113	2.0630	0.5440	0.0105	0.5544		1,619.8190	1,619.8190	0.0887		1,621.6815
Total	0.4408	3.5019	10.2935	0.0331	2.4110	0.0966	2.5076	0.6458	0.0890	0.7348		2,674.7859	2,674.7859	0.0934		2,676.7467

3.3 Building Construction - 2019

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	6.3072	63.2579	46.5174	0.0734		3.5880	3.5880		3.3474	3.3474		7,210.2121	7,210.2121	1.9517		7,251.1979
Total	6.3072	63.2579	46.5174	0.0734		3.5880	3.5880		3.3474	3.3474		7,210.2121	7,210.2121	1.9517		7,251.1979

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	2.7000e-004	4.2600e-003	3.1200e-003	2.0000e-005	6.4000e-004	1.5000e-004	8.0000e-004	1.7000e-004	1.4000e-004	3.2000e-004		2.0329	2.0329	1.0000e-005		2.0331
Vendor	0.1261	1.8991	1.5965	8.2500e-003	0.2694	0.0640	0.3334	0.0764	0.0589	0.1353		791.2252	791.2252	3.5100e-003		791.2989
Worker	0.2726	0.9698	8.1648	0.0221	2.0518	0.0113	2.0630	0.5440	0.0105	0.5544		1,619.8190	1,619.8190	0.0887		1,621.6815
Total	0.3990	2.8731	9.7644	0.0304	2.3218	0.0754	2.3972	0.6205	0.0695	0.6900		2,413.0771	2,413.0771	0.0922		2,415.0135

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,210.2121	7,210.2121	1.9517		7,251.1979
Total	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,210.2121	7,210.2121	1.9517		7,251.1979

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	2.7000e-004	4.2600e-003	3.1200e-003	2.0000e-005	6.4000e-004	1.5000e-004	8.0000e-004	1.7000e-004	1.4000e-004	3.2000e-004		2.0329	2.0329	1.0000e-005		2.0331
Vendor	0.1261	1.8991	1.5965	8.2500e-003	0.2694	0.0640	0.3334	0.0764	0.0589	0.1353		791.2252	791.2252	3.5100e-003		791.2989
Worker	0.2726	0.9698	8.1648	0.0221	2.0518	0.0113	2.0630	0.5440	0.0105	0.5544		1,619.8190	1,619.8190	0.0887		1,621.6815
Total	0.3990	2.8731	9.7644	0.0304	2.3218	0.0754	2.3972	0.6205	0.0695	0.6900		2,413.0771	2,413.0771	0.0922		2,415.0135

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.8230	58.2002	45.8926	0.0734		3.2324	3.2324		3.0140	3.0140		7,083.1600	7,083.1600	1.9420		7,123.9416
Total	5.8230	58.2002	45.8926	0.0734		3.2324	3.2324		3.0140	3.0140		7,083.1600	7,083.1600	1.9420		7,123.9416

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	2.5000e-004	3.7400e-003	3.0300e-003	2.0000e-005	2.1700e-003	1.5000e-004	2.3200e-003	5.5000e-004	1.4000e-004	6.9000e-004		1.9865	1.9865	1.0000e-005		1.9867
Vendor	0.1128	1.5686	1.4787	8.2300e-003	0.2694	0.0580	0.3274	0.0764	0.0533	0.1297		772.9762	772.9762	3.2600e-003		773.0445
Worker	0.2452	0.8937	7.5370	0.0221	2.0518	0.0112	2.0630	0.5440	0.0104	0.5544		1,553.7109	1,553.7109	0.0839		1,555.4733
Total	0.3582	2.4661	9.0187	0.0303	2.3233	0.0693	2.3926	0.6209	0.0639	0.6848		2,328.6736	2,328.6736	0.0872		2,330.5045

3.3 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,083.1600	7,083.1600	1.9420		7,123.9416
Total	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,083.1600	7,083.1600	1.9420		7,123.9416

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	2.5000e-004	3.7400e-003	3.0300e-003	2.0000e-005	2.1700e-003	1.5000e-004	2.3200e-003	5.5000e-004	1.4000e-004	6.9000e-004		1.9865	1.9865	1.0000e-005		1.9867
Vendor	0.1128	1.5686	1.4787	8.2300e-003	0.2694	0.0580	0.3274	0.0764	0.0533	0.1297		772.9762	772.9762	3.2600e-003		773.0445
Worker	0.2452	0.8937	7.5370	0.0221	2.0518	0.0112	2.0630	0.5440	0.0104	0.5544		1,553.7109	1,553.7109	0.0839		1,555.4733
Total	0.3582	2.4661	9.0187	0.0303	2.3233	0.0693	2.3926	0.6209	0.0639	0.6848		2,328.6736	2,328.6736	0.0872		2,330.5045

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

4.4 Fleet Mix

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					
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		0.0000	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

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					
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		0.0000	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	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
Unmitigated	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
Total	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.4000e-004

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
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10.0 Vegetation

North-South Project - Pressure Limiting Station
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	1.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - per project description
- Construction Phase - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Trips and VMT - per project description
- On-road Fugitive Dust -
- Grading - per ARB
- Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	250
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	250
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	303.00
tblConstructionPhase	NumDays	1.00	67.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	1.00
tblOffRoadEquipment	HorsePower	171.00	205.00
tblOffRoadEquipment	LoadFactor	0.42	0.50

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site prep
tblOffRoadEquipment	PhaseName		Site prep
tblOffRoadEquipment	PhaseName		Site prep
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	50.00
tblTripsAndVMT	VendorTripLength	6.90	50.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripNumber	13.00	54.00
tblTripsAndVMT	WorkerTripNumber	0.00	54.00
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10

tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44

tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69

tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15

tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
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tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11

tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003

tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003

tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003

tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09

tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17

tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34

tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35

tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004

tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61

tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004

tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003

tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24

tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31

tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MDV	2.0090e-003	1.6230e-003

tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003

tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11

tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004

tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03

tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MHD	8.6000e-003	0.01

tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
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tblVehicleEF	MHD	914.53	853.20

tblVehicleEF	MHD	49.60	49.67
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tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
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tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20

tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
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tblVehicleEF	MHD	3.5450e-003	2.4800e-003
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tblVehicleEF	MHD	14.44	17.02
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tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
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tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01

tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
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tblVehicleEF	OBUS	0.04	0.03
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tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004

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tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37

tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
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tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
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tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
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tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09

tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63

tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42

tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89
tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04

tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21

tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003

tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

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					
2018	2.3451	21.1039	24.0040	0.0580	2.4130	1.1094	3.5223	0.6467	1.0626	1.7093	0.0000	5,180.7743	5,180.7743	0.4792	0.0000	5,190.8369
2019	6.7341	66.3458	55.3554	0.1061	2.4130	3.6506	5.9739	0.6467	3.4052	4.0264	0.0000	9,844.6893	9,844.6893	2.0435	0.0000	9,887.6031
2020	6.2224	60.8986	54.1631	0.1061	2.3259	3.2909	5.6168	0.6219	3.0680	3.6898	0.0000	9,625.6534	9,625.6534	2.0291	0.0000	9,668.2653
Total	15.3015	148.3483	133.5226	0.2701	7.1519	8.0508	15.1131	1.9153	7.5357	9.4255	0.0000	24,651.1169	24,651.1169	4.5518	0.0000	24,746.7053

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	1.0064	14.9053	25.1807	0.0580	2.4130	0.7665	3.1795	0.6467	0.7600	1.4067	0.0000	5,180.7743	5,180.7743	0.4792	0.0000	5,190.8369
2019	2.1689	39.2330	60.0072	0.1061	2.4130	2.1028	4.4261	0.6467	2.0978	2.7191	0.0000	9,844.6893	9,844.6893	2.0435	0.0000	9,887.6031
2020	2.1414	38.8434	59.4397	0.1061	2.3259	2.0987	4.4246	0.6219	2.0941	2.7159	0.0000	9,625.6534	9,625.6534	2.0291	0.0000	9,668.2653
Total	5.3167	92.9817	144.6276	0.2701	7.1519	4.9679	12.0301	1.9153	4.9519	6.8417	0.0000	24,651.1169	24,651.1169	4.5518	0.0000	24,746.7053

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	65.25	37.32	-8.32	0.00	0.00	38.29	20.40	0.00	34.29	27.41	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000	0.0000	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 Operational

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site prep	Site Preparation	10/1/2018	1/1/2019	5	67	
2	Building Construction	Building Construction	1/2/2019	2/28/2020	5	303	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site prep	Generator Sets	2	8.00	84	0.74
Site prep	Other Construction Equipment	1	8.00	205	0.50
Site prep	Other Construction Equipment	1	8.00	171	0.42
Site prep	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cranes	2	8.00	226	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Trenchers	1	8.00	80	0.50

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site prep	5	54.00	8.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	54.00	6.00	2.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site prep - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8297	16.8796	13.9649	0.0224		1.0273	1.0273		0.9870	0.9870		2,176.9709	2,176.9709	0.3797		2,184.9446
Total	1.8297	16.8796	13.9649	0.0224	0.0000	1.0273	1.0273	0.0000	0.9870	0.9870		2,176.9709	2,176.9709	0.3797		2,184.9446

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	0.1988	3.4165	1.8618	0.0116	0.3612	0.0671	0.4283	0.1028	0.0617	0.1645		1,134.8115	1,134.8115	6.9600e-003		1,134.9575
Worker	0.3166	0.8078	8.1773	0.0240	2.0518	0.0150	2.0668	0.5440	0.0139	0.5579		1,868.9919	1,868.9919	0.0925		1,870.9348
Total	0.5154	4.2243	10.0391	0.0356	2.4130	0.0821	2.4951	0.6467	0.0756	0.7223		3,003.8034	3,003.8034	0.0995		3,005.8923

3.2 Site prep - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4911	10.6809	15.1415	0.0224		0.6844	0.6844		0.6844	0.6844	0.0000	2,176.9709	2,176.9709	0.3797		2,184.9446
Total	0.4911	10.6809	15.1415	0.0224	0.0000	0.6844	0.6844	0.0000	0.6844	0.6844	0.0000	2,176.9709	2,176.9709	0.3797		2,184.9446

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	0.1988	3.4165	1.8618	0.0116	0.3612	0.0671	0.4283	0.1028	0.0617	0.1645		1,134.8115	1,134.8115	6.9600e-003		1,134.9575
Worker	0.3166	0.8078	8.1773	0.0240	2.0518	0.0150	2.0668	0.5440	0.0139	0.5579		1,868.9919	1,868.9919	0.0925		1,870.9348
Total	0.5154	4.2243	10.0391	0.0356	2.4130	0.0821	2.4951	0.6467	0.0756	0.7223		3,003.8034	3,003.8034	0.0995		3,005.8923

3.2 Site prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6428	15.5085	13.8734	0.0224		0.9034	0.9034		0.8673	0.8673		2,162.1935	2,162.1935	0.3688		2,169.9380
Total	1.6428	15.5085	13.8734	0.0224	0.0000	0.9034	0.9034	0.0000	0.8673	0.8673		2,162.1935	2,162.1935	0.3688		2,169.9380

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	0.1897	3.1191	1.7834	0.0116	0.3613	0.0637	0.4250	0.1028	0.0586	0.1614		1,112.5321	1,112.5321	6.7600e-003		1,112.6741
Worker	0.2842	0.7416	7.4972	0.0239	2.0518	0.0147	2.0665	0.5440	0.0136	0.5576		1,797.7983	1,797.7983	0.0867		1,799.6195
Total	0.4739	3.8607	9.2806	0.0355	2.4130	0.0784	2.4914	0.6467	0.0723	0.7190		2,910.3304	2,910.3304	0.0935		2,912.2936

3.2 Site prep - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4911	10.6809	15.1415	0.0224		0.6844	0.6844		0.6844	0.6844	0.0000	2,162.1935	2,162.1935	0.3688		2,169.9380
Total	0.4911	10.6809	15.1415	0.0224	0.0000	0.6844	0.6844	0.0000	0.6844	0.6844	0.0000	2,162.1935	2,162.1935	0.3688		2,169.9380

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	0.1897	3.1191	1.7834	0.0116	0.3613	0.0637	0.4250	0.1028	0.0586	0.1614		1,112.5321	1,112.5321	6.7600e-003		1,112.6741
Worker	0.2842	0.7416	7.4972	0.0239	2.0518	0.0147	2.0665	0.5440	0.0136	0.5576		1,797.7983	1,797.7983	0.0867		1,799.6195
Total	0.4739	3.8607	9.2806	0.0355	2.4130	0.0784	2.4914	0.6467	0.0723	0.7190		2,910.3304	2,910.3304	0.0935		2,912.2936

3.3 Building Construction - 2019

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	6.3072	63.2579	46.5174	0.0734		3.5880	3.5880		3.3474	3.3474		7,210.2121	7,210.2121	1.9517		7,251.1979
Total	6.3072	63.2579	46.5174	0.0734		3.5880	3.5880		3.3474	3.3474		7,210.2121	7,210.2121	1.9517		7,251.1979

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	3.8000e-004	6.9800e-003	3.3300e-003	2.0000e-005	6.5000e-004	1.3000e-004	7.8000e-004	1.8000e-004	1.2000e-004	2.9000e-004		2.2798	2.2798	2.0000e-005		2.2801
Vendor	0.1423	2.3393	1.3376	8.6800e-003	0.2709	0.0478	0.3187	0.0771	0.0440	0.1211		834.3991	834.3991	5.0700e-003		834.5056
Worker	0.2842	0.7416	7.4972	0.0239	2.0518	0.0147	2.0665	0.5440	0.0136	0.5576		1,797.7983	1,797.7983	0.0867		1,799.6195
Total	0.4269	3.0879	8.8380	0.0326	2.3234	0.0626	2.3860	0.6212	0.0577	0.6789		2,634.4772	2,634.4772	0.0918		2,636.4052

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,210.2121	7,210.2121	1.9517		7,251.1979
Total	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,210.2121	7,210.2121	1.9517		7,251.1979

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	3.8000e-004	6.9800e-003	3.3300e-003	2.0000e-005	6.5000e-004	1.3000e-004	7.8000e-004	1.8000e-004	1.2000e-004	2.9000e-004		2.2798	2.2798	2.0000e-005		2.2801
Vendor	0.1423	2.3393	1.3376	8.6800e-003	0.2709	0.0478	0.3187	0.0771	0.0440	0.1211		834.3991	834.3991	5.0700e-003		834.5056
Worker	0.2842	0.7416	7.4972	0.0239	2.0518	0.0147	2.0665	0.5440	0.0136	0.5576		1,797.7983	1,797.7983	0.0867		1,799.6195
Total	0.4269	3.0879	8.8380	0.0326	2.3234	0.0626	2.3860	0.6212	0.0577	0.6789		2,634.4772	2,634.4772	0.0918		2,636.4052

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.8230	58.2002	45.8926	0.0734		3.2324	3.2324		3.0140	3.0140		7,083.1600	7,083.1600	1.9420		7,123.9416
Total	5.8230	58.2002	45.8926	0.0734		3.2324	3.2324		3.0140	3.0140		7,083.1600	7,083.1600	1.9420		7,123.9416

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	3.8000e-004	6.1900e-003	3.3000e-003	2.0000e-005	3.2100e-003	1.3000e-004	3.3400e-003	8.0000e-004	1.2000e-004	9.2000e-004		2.2285	2.2285	2.0000e-005		2.2288
Vendor	0.1356	2.0041	1.2843	8.6800e-003	0.2710	0.0439	0.3148	0.0771	0.0403	0.1174		815.5260	815.5260	4.9000e-003		815.6289
Worker	0.2633	0.6881	6.9829	0.0239	2.0518	0.0146	2.0663	0.5440	0.0135	0.5575		1,724.7390	1,724.7390	0.0822		1,726.4661
Total	0.3993	2.6984	8.2705	0.0326	2.3259	0.0585	2.3845	0.6219	0.0540	0.6758		2,542.4934	2,542.4934	0.0872		2,544.3237

3.3 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,083.1600	7,083.1600	1.9420		7,123.9416
Total	1.7420	36.1451	51.1692	0.0734		2.0401	2.0401		2.0401	2.0401	0.0000	7,083.1600	7,083.1600	1.9420		7,123.9416

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	3.8000e-004	6.1900e-003	3.3000e-003	2.0000e-005	3.2100e-003	1.3000e-004	3.3400e-003	8.0000e-004	1.2000e-004	9.2000e-004		2.2285	2.2285	2.0000e-005		2.2288
Vendor	0.1356	2.0041	1.2843	8.6800e-003	0.2710	0.0439	0.3148	0.0771	0.0403	0.1174		815.5260	815.5260	4.9000e-003		815.6289
Worker	0.2633	0.6881	6.9829	0.0239	2.0518	0.0146	2.0663	0.5440	0.0135	0.5575		1,724.7390	1,724.7390	0.0822		1,726.4661
Total	0.3993	2.6984	8.2705	0.0326	2.3259	0.0585	2.3845	0.6219	0.0540	0.6758		2,542.4934	2,542.4934	0.0872		2,544.3237

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

4.4 Fleet Mix

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					
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		0.0000	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

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						
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		0.0000	0.0000	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	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Architectural Coating	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

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
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10.0 Vegetation

North-South Project - Spread 1 (Koala to Baldy Mesa)
Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	72.73	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - per ARB
- Construction Phase - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Off-road Equipment - per ARB
- Trips and VMT - per ARB
- On-road Fugitive Dust -
- Grading - per project description
- Construction Off-road Equipment Mitigation - Use of Tier 3 off-road equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1,110.00	78.00
tblConstructionPhase	NumDays	40.00	67.00
tblGrading	AcresOfGrading	33.50	72.73
tblGrading	MaterialExported	0.00	46,933.00
tblGrading	MaterialImported	0.00	23,467.00
tblLandUse	LotAcreage	0.00	72.73
tblOffRoadEquipment	HorsePower	226.00	46.00

tblOffRoadEquipment	HorsePower	97.00	80.00
tblOffRoadEquipment	HorsePower	162.00	89.00
tblOffRoadEquipment	LoadFactor	0.29	0.45
tblOffRoadEquipment	LoadFactor	0.37	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	8,800.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	42.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	195.00

tblTripsAndVMT	WorkerTripNumber	0.00	195.00
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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					
2018	0.0785	0.5543	1.4490	3.3500e-003	0.2939	0.0240	0.3179	0.0716	0.0221	0.0937	0.0000	243.5564	243.5564	0.0184	0.0000	243.9430
2019	0.7982	6.5884	6.7574	0.0133	0.4037	0.3494	0.7531	0.1019	0.3287	0.4306	0.0000	1,089.3826	1,089.3826	0.1925	0.0000	1,093.4242
Total	0.8767	7.1427	8.2064	0.0167	0.6975	0.3734	1.0710	0.1735	0.3508	0.5242	0.0000	1,332.9390	1,332.9390	0.2109	0.0000	1,337.3672

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0513	0.3542	1.4487	3.3500e-003	0.2939	0.0117	0.3055	0.0716	0.0113	0.0829	0.0000	243.5563	243.5563	0.0184	0.0000	243.9430
2019	0.2889	4.7129	7.1215	0.0133	0.4037	0.2399	0.6436	0.1019	0.2384	0.3403	0.0000	1,089.3818	1,089.3818	0.1925	0.0000	1,093.4234
Total	0.3402	5.0671	8.5702	0.0167	0.6975	0.2516	0.9491	0.1735	0.2497	0.4232	0.0000	1,332.9382	1,332.9382	0.2109	0.0000	1,337.3663

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	10/1/2018	1/1/2019	5	67	
2	Building Construction	Building Construction	1/2/2019	4/19/2019	5	78	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	174	0.41
Site Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Air Compressors	5	4.00	78	0.48
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	205	0.50
Building Construction	Cranes	1	8.00	46	0.45
Building Construction	Cranes	3	4.00	226	0.29
Building Construction	Excavators	4	8.00	162	0.38
Building Construction	Excavators	1	6.00	89	0.20
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	80	0.50
Building Construction	Welders	14	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep	2	195.00	7.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	55	195.00	42.00	3.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Site Prep - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0435	0.0000	0.0435	4.9100e-003	0.0000	4.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0341	0.3393	0.2119	2.8000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	25.7577	25.7577	8.0200e-003	0.0000	25.9260
Total	0.0341	0.3393	0.2119	2.8000e-004	0.0435	0.0200	0.0635	4.9100e-003	0.0184	0.0233	0.0000	25.7577	25.7577	8.0200e-003	0.0000	25.9260

3.2 Site Prep - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1900e-003	0.0821	0.0655	3.2000e-004	0.0102	2.6300e-003	0.0129	2.9000e-003	2.4200e-003	5.3300e-003	0.0000	28.1568	28.1568	1.3000e-004	0.0000	28.1595	
Worker	0.0392	0.1328	1.1716	2.7500e-003	0.2401	1.3600e-003	0.2415	0.0638	1.2600e-003	0.0650	0.0000	189.6419	189.6419	0.0103	0.0000	189.8575	
Total	0.0444	0.2149	1.2371	3.0700e-003	0.2504	3.9900e-003	0.2543	0.0667	3.6800e-003	0.0703	0.0000	217.7987	217.7987	0.0104	0.0000	218.0170	

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					0.0435	0.0000	0.0435	4.9100e-003	0.0000	4.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8600e-003	0.1393	0.2116	2.8000e-004		7.6600e-003	7.6600e-003		7.6600e-003	7.6600e-003	0.0000	25.7576	25.7576	8.0200e-003	0.0000	25.9260	
Total	6.8600e-003	0.1393	0.2116	2.8000e-004	0.0435	7.6600e-003	0.0512	4.9100e-003	7.6600e-003	0.0126	0.0000	25.7576	25.7576	8.0200e-003	0.0000	25.9260	

3.2 Site Prep - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1900e-003	0.0821	0.0655	3.2000e-004	0.0102	2.6300e-003	0.0129	2.9000e-003	2.4200e-003	5.3300e-003	0.0000	28.1568	28.1568	1.3000e-004	0.0000	28.1595
Worker	0.0392	0.1328	1.1716	2.7500e-003	0.2401	1.3600e-003	0.2415	0.0638	1.2600e-003	0.0650	0.0000	189.6419	189.6419	0.0103	0.0000	189.8575
Total	0.0444	0.2149	1.2371	3.0700e-003	0.2504	3.9900e-003	0.2543	0.0667	3.6800e-003	0.0703	0.0000	217.7987	217.7987	0.0104	0.0000	218.0170

3.2 Site Prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0435	0.0000	0.0435	4.9100e-003	0.0000	4.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7000e-004	4.6600e-003	3.1600e-003	0.0000		2.7000e-004	2.7000e-004		2.5000e-004	2.5000e-004	0.0000	0.3837	0.3837	1.2000e-004	0.0000	0.3863
Total	4.7000e-004	4.6600e-003	3.1600e-003	0.0000	0.0435	2.7000e-004	0.0438	4.9100e-003	2.5000e-004	5.1600e-003	0.0000	0.3837	0.3837	1.2000e-004	0.0000	0.3863

3.2 Site Prep - 2019

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	7.0000e-005	1.1100e-003	9.3000e-004	0.0000	1.5000e-004	4.0000e-005	1.9000e-004	4.0000e-005	3.0000e-005	8.0000e-005	0.0000	0.4190	0.4190	0.0000	0.0000	0.4191
Worker	5.1000e-004	1.8300e-003	0.0161	4.0000e-005	3.6400e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.8000e-004	0.0000	2.7610	2.7610	1.5000e-004	0.0000	2.7640
Total	5.8000e-004	2.9400e-003	0.0171	4.0000e-005	3.7900e-003	6.0000e-005	3.8500e-003	1.0100e-003	5.0000e-005	1.0600e-003	0.0000	3.1800	3.1800	1.5000e-004	0.0000	3.1831

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					0.0435	0.0000	0.0435	4.9100e-003	0.0000	4.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0000e-004	2.1100e-003	3.2100e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3837	0.3837	1.2000e-004	0.0000	0.3863
Total	1.0000e-004	2.1100e-003	3.2100e-003	0.0000	0.0435	1.2000e-004	0.0436	4.9100e-003	1.2000e-004	5.0300e-003	0.0000	0.3837	0.3837	1.2000e-004	0.0000	0.3863

3.2 Site Prep - 2019

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	7.0000e-005	1.1100e-003	9.3000e-004	0.0000	1.5000e-004	4.0000e-005	1.9000e-004	4.0000e-005	3.0000e-005	8.0000e-005	0.0000	0.4190	0.4190	0.0000	0.0000	0.4191
Worker	5.1000e-004	1.8300e-003	0.0161	4.0000e-005	3.6400e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.8000e-004	0.0000	2.7610	2.7610	1.5000e-004	0.0000	2.7640
Total	5.8000e-004	2.9400e-003	0.0171	4.0000e-005	3.7900e-003	6.0000e-005	3.8500e-003	1.0100e-003	5.0000e-005	1.0600e-003	0.0000	3.1800	3.1800	1.5000e-004	0.0000	3.1831

3.3 Building Construction - 2019

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	0.7228	5.9168	5.0447	7.7900e-003		0.3300	0.3300		0.3108	0.3108	0.0000	673.9083	673.9083	0.1800	0.0000	677.6880
Total	0.7228	5.9168	5.0447	7.7900e-003		0.3300	0.3300		0.3108	0.3108	0.0000	673.9083	673.9083	0.1800	0.0000	677.6880

3.3 Building Construction - 2019

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	7.0000e-005	1.0400e-003	7.6000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4497	0.4497	0.0000	0.0000	0.4497
Vendor	0.0342	0.5201	0.4331	2.2500e-003	0.0724	0.0175	0.0899	0.0206	0.0161	0.0366	0.0000	196.1066	196.1066	8.6000e-004	0.0000	196.1247
Worker	0.0401	0.1429	1.2586	3.2400e-003	0.2838	1.5900e-003	0.2854	0.0753	1.4700e-003	0.0768	0.0000	215.3544	215.3544	0.0113	0.0000	215.5924
Total	0.0743	0.6640	1.6925	5.5000e-003	0.3564	0.0191	0.3755	0.0960	0.0176	0.1135	0.0000	411.9106	411.9106	0.0122	0.0000	412.1668

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	0.2139	4.0439	5.4087	7.7900e-003		0.2207	0.2207		0.2207	0.2207	0.0000	673.9075	673.9075	0.1800	0.0000	677.6872
Total	0.2139	4.0439	5.4087	7.7900e-003		0.2207	0.2207		0.2207	0.2207	0.0000	673.9075	673.9075	0.1800	0.0000	677.6872

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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		0.0000	0.0000	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

North-South Project - Spread 2a (National Forest)
Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	51.52	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Grading - per project description
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1,110.00	76.00
tblConstructionPhase	NumDays	40.00	21.00
tblGrading	AcresOfGrading	10.50	51.52
tblGrading	MaterialExported	0.00	33,244.00
tblGrading	MaterialImported	0.00	16,622.00
tblLandUse	LotAcreage	0.00	51.52
tblOffRoadEquipment	HorsePower	226.00	46.00

tblOffRoadEquipment	HorsePower	97.00	80.00
tblOffRoadEquipment	HorsePower	162.00	89.00
tblOffRoadEquipment	LoadFactor	0.29	0.45
tblOffRoadEquipment	LoadFactor	0.37	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Prep
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	6,233.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	42.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00

tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	195.00
tblTripsAndVMT	WorkerTripNumber	0.00	195.00

2.0 Emissions Summary

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	2/13/2019	3/13/2019	5	21	
2	Building Construction	Building Construction	3/14/2019	6/27/2019	5	76	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	174	0.41
Site Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Air Compressors	5	4.00	78	0.48
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	205	0.50
Building Construction	Cranes	1	8.00	46	0.45
Building Construction	Cranes	3	4.00	226	0.29
Building Construction	Excavators	4	8.00	162	0.38
Building Construction	Excavators	1	6.00	89	0.20
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	80	0.50
Building Construction	Welders	14	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep	2	195.00	7.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	55	195.00	42.00	3.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Site Prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0308	0.0000	0.0308	3.4800e-003	0.0000	3.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8800e-003	0.0979	0.0664	9.0000e-005		5.6700e-003	5.6700e-003		5.2200e-003	5.2200e-003	0.0000	8.0583	8.0583	2.5500e-003	0.0000	8.1119
Total	9.8800e-003	0.0979	0.0664	9.0000e-005	0.0308	5.6700e-003	0.0365	3.4800e-003	5.2200e-003	8.7000e-003	0.0000	8.0583	8.0583	2.5500e-003	0.0000	8.1119

3.2 Site Prep - 2019

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	1.5300e-003	0.0233	0.0194	1.0000e-004	3.2500e-003	7.8000e-004	4.0300e-003	9.2000e-004	7.2000e-004	1.6400e-003	0.0000	8.7997	8.7997	4.0000e-005	0.0000	8.8005
Worker	0.0108	0.0385	0.3389	8.7000e-004	0.0764	4.3000e-004	0.0768	0.0203	4.0000e-004	0.0207	0.0000	57.9800	57.9800	3.0500e-003	0.0000	58.0441
Total	0.0123	0.0618	0.3583	9.7000e-004	0.0797	1.2100e-003	0.0809	0.0212	1.1200e-003	0.0223	0.0000	66.7797	66.7797	3.0900e-003	0.0000	66.8446

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					0.0308	0.0000	0.0308	3.4800e-003	0.0000	3.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0443	0.0673	9.0000e-005		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	8.0583	8.0583	2.5500e-003	0.0000	8.1119
Total	2.1800e-003	0.0443	0.0673	9.0000e-005	0.0308	2.4400e-003	0.0333	3.4800e-003	2.4400e-003	5.9200e-003	0.0000	8.0583	8.0583	2.5500e-003	0.0000	8.1119

3.2 Site Prep - 2019

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	1.5300e-003	0.0233	0.0194	1.0000e-004	3.2500e-003	7.8000e-004	4.0300e-003	9.2000e-004	7.2000e-004	1.6400e-003	0.0000	8.7997	8.7997	4.0000e-005	0.0000	8.8005
Worker	0.0108	0.0385	0.3389	8.7000e-004	0.0764	4.3000e-004	0.0768	0.0203	4.0000e-004	0.0207	0.0000	57.9800	57.9800	3.0500e-003	0.0000	58.0441
Total	0.0123	0.0618	0.3583	9.7000e-004	0.0797	1.2100e-003	0.0809	0.0212	1.1200e-003	0.0223	0.0000	66.7797	66.7797	3.0900e-003	0.0000	66.8446

3.3 Building Construction - 2019

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	0.7043	5.7651	4.9153	7.5900e-003		0.3215	0.3215		0.3028	0.3028	0.0000	656.6286	656.6286	0.1754	0.0000	660.3114
Total	0.7043	5.7651	4.9153	7.5900e-003		0.3215	0.3215		0.3028	0.3028	0.0000	656.6286	656.6286	0.1754	0.0000	660.3114

3.3 Building Construction - 2019

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	7.0000e-005	1.0400e-003	7.6000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4497	0.4497	0.0000	0.0000	0.4497
Vendor	0.0333	0.5067	0.4220	2.2000e-003	0.0706	0.0170	0.0876	0.0201	0.0157	0.0357	0.0000	191.0782	191.0782	8.4000e-004	0.0000	191.0959
Worker	0.0391	0.1392	1.2264	3.1500e-003	0.2765	1.5500e-003	0.2781	0.0734	1.4300e-003	0.0748	0.0000	209.8325	209.8325	0.0110	0.0000	210.0644
Total	0.0725	0.6470	1.6491	5.3600e-003	0.3472	0.0186	0.3658	0.0935	0.0171	0.1106	0.0000	401.3604	401.3604	0.0119	0.0000	401.6100

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	0.2084	3.9402	5.2701	7.5900e-003		0.2150	0.2150		0.2150	0.2150	0.0000	656.6278	656.6278	0.1754	0.0000	660.3106
Total	0.2084	3.9402	5.2701	7.5900e-003		0.2150	0.2150		0.2150	0.2150	0.0000	656.6278	656.6278	0.1754	0.0000	660.3106

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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		0.0000	0.0000	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

North-South Project - Spread 2b (National Forest)
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	10.30	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Grading - per project description
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	250
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	250
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
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	300.00	76.00
tblConstructionPhase	NumDays	10.00	21.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblGrading	AcresOfGrading	10.50	10.30
tblGrading	MaterialExported	0.00	6,649.00

tblGrading	MaterialImported	0.00	3,324.00
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	10.30
tblOffRoadEquipment	HorsePower	226.00	46.00
tblOffRoadEquipment	HorsePower	97.00	80.00
tblOffRoadEquipment	HorsePower	162.00	89.00
tblOffRoadEquipment	LoadFactor	0.29	0.45
tblOffRoadEquipment	LoadFactor	0.37	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Prep
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	1,247.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripLength	6.90	50.00

tblTripsAndVMT	VendorTripLength	6.90	50.00
tblTripsAndVMT	VendorTripNumber	0.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	42.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripNumber	5.00	195.00
tblTripsAndVMT	WorkerTripNumber	0.00	195.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10

tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72

tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70

tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15

tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30

tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003

tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004

tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07

tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14

tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04

tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19

tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003

tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
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tblVehicleEF	LHD1	0.05	0.07
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tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
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tblVehicleEF	LHD1	0.45	0.29

tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
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tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
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tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71

tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
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tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
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tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004

tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004

tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13

tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98

tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51

tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28

tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003

tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28

tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05

tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
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tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20

tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18

tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
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tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
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tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08

tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
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tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
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tblVehicleEF	OBUS	0.01	9.1630e-003
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tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
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tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
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tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
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tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

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tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
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tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
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tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
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tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07

tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
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tblVehicleEF	OBUS	0.55	0.78
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tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
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tblVehicleEF	OBUS	0.58	0.83
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tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39

tblVehicleEF	SBUS	2.02	2.00
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
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tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
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tblVehicleEF	SBUS	1.95	0.99
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tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44

tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89
tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
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tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
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tblVehicleEF	SBUS	1,037.25	1,054.17
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tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
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tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
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tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
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tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38

tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94

tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

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					
2019	0.8019	6.6612	6.7042	0.0144	0.4331	0.3431	0.7762	0.1155	0.3227	0.4382	0.0000	1,166.0661	1,166.0661	0.1930	0.0000	1,170.1187
Total	0.8019	6.6612	6.7042	0.0144	0.4331	0.3431	0.7762	0.1155	0.3227	0.4382	0.0000	1,166.0661	1,166.0661	0.1930	0.0000	1,170.1187

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					
2019	0.2983	4.7828	7.0599	0.0144	0.4331	0.2333	0.6664	0.1155	0.2321	0.3476	0.0000	1,166.0654	1,166.0654	0.1930	0.0000	1,170.1179
Total	0.2983	4.7828	7.0599	0.0144	0.4331	0.2333	0.6664	0.1155	0.2321	0.3476	0.0000	1,166.0654	1,166.0654	0.1930	0.0000	1,170.1179

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	2/13/2019	3/13/2019	5	21	
2	Building Construction	Building Construction	3/14/2019	6/27/2019	5	76	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	174	0.41
Site Prep	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Air Compressors	5	4.00	78	0.48
Building Construction	Air Compressors	2	6.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	205	0.50
Building Construction	Cranes	1	8.00	46	0.45
Building Construction	Cranes	3	4.00	226	0.29
Building Construction	Excavators	4	8.00	162	0.38
Building Construction	Excavators	1	6.00	89	0.20
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	1	6.00	171	0.42
Building Construction	Other Construction Equipment	4	6.00	171	0.42
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	6.00	80	0.50
Building Construction	Welders	14	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep	2	195.00	7.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	55	195.00	42.00	3.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Site Prep - 2019

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					6.0300e-003	0.0000	6.0300e-003	6.8000e-004	0.0000	6.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8800e-003	0.0979	0.0664	9.0000e-005		5.6700e-003	5.6700e-003		5.2200e-003	5.2200e-003	0.0000	8.0583	8.0583	2.5500e-003	0.0000	8.1119
Total	9.8800e-003	0.0979	0.0664	9.0000e-005	6.0300e-003	5.6700e-003	0.0117	6.8000e-004	5.2200e-003	5.9000e-003	0.0000	8.0583	8.0583	2.5500e-003	0.0000	8.1119

3.2 Site Prep - 2019

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	1.7300e-003	0.0292	0.0162	1.1000e-004	3.2700e-003	5.9000e-004	3.8500e-003	9.3000e-004	5.4000e-004	1.4700e-003	0.0000	9.2795	9.2795	6.0000e-005	0.0000	9.2806
Worker	0.0105	0.0290	0.2933	9.2000e-004	0.0764	5.6000e-004	0.0769	0.0203	5.2000e-004	0.0208	0.0000	62.8123	62.8123	2.9800e-003	0.0000	62.8749
Total	0.0122	0.0582	0.3094	1.0300e-003	0.0796	1.1500e-003	0.0808	0.0212	1.0600e-003	0.0223	0.0000	72.0917	72.0917	3.0400e-003	0.0000	72.1556

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					6.0300e-003	0.0000	6.0300e-003	6.8000e-004	0.0000	6.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0443	0.0673	9.0000e-005		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	8.0583	8.0583	2.5500e-003	0.0000	8.1119
Total	2.1800e-003	0.0443	0.0673	9.0000e-005	6.0300e-003	2.4400e-003	8.4700e-003	6.8000e-004	2.4400e-003	3.1200e-003	0.0000	8.0583	8.0583	2.5500e-003	0.0000	8.1119

3.2 Site Prep - 2019

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	1.7300e-003	0.0292	0.0162	1.1000e-004	3.2700e-003	5.9000e-004	3.8500e-003	9.3000e-004	5.4000e-004	1.4700e-003	0.0000	9.2795	9.2795	6.0000e-005	0.0000	9.2806
Worker	0.0105	0.0290	0.2933	9.2000e-004	0.0764	5.6000e-004	0.0769	0.0203	5.2000e-004	0.0208	0.0000	62.8123	62.8123	2.9800e-003	0.0000	62.8749
Total	0.0122	0.0582	0.3094	1.0300e-003	0.0796	1.1500e-003	0.0808	0.0212	1.0600e-003	0.0223	0.0000	72.0917	72.0917	3.0400e-003	0.0000	72.1556

3.3 Building Construction - 2019

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	0.7043	5.7651	4.9153	7.5900e-003		0.3215	0.3215		0.3028	0.3028	0.0000	656.6286	656.6286	0.1754	0.0000	660.3114
Total	0.7043	5.7651	4.9153	7.5900e-003		0.3215	0.3215		0.3028	0.3028	0.0000	656.6286	656.6286	0.1754	0.0000	660.3114

3.3 Building Construction - 2019

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	9.0000e-005	1.6100e-003	7.5000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.6000e-004	4.0000e-005	3.0000e-005	6.0000e-005	0.0000	0.4701	0.4701	0.0000	0.0000	0.4702
Vendor	0.0376	0.6333	0.3509	2.3100e-003	0.0710	0.0127	0.0837	0.0202	0.0117	0.0319	0.0000	201.4968	201.4968	1.2200e-003	0.0000	201.5224
Worker	0.0379	0.1051	1.0614	3.3400e-003	0.2764	2.0200e-003	0.2784	0.0734	1.8700e-003	0.0752	0.0000	227.3206	227.3206	0.0108	0.0000	227.5473
Total	0.0755	0.7401	1.4130	5.6600e-003	0.3474	0.0148	0.3622	0.0936	0.0136	0.1072	0.0000	429.2875	429.2875	0.0120	0.0000	429.5399

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	0.2084	3.9402	5.2701	7.5900e-003		0.2150	0.2150		0.2150	0.2150	0.0000	656.6278	656.6278	0.1754	0.0000	660.3106
Total	0.2084	3.9402	5.2701	7.5900e-003		0.2150	0.2150		0.2150	0.2150	0.0000	656.6278	656.6278	0.1754	0.0000	660.3106

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
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	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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

North-South Project - Spread 3 (Route 66)
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	29.70	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per project description

 On-road Fugitive Dust -
 Grading -
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	440.00	186.00
tblConstructionPhase	PhaseEndDate	12/6/2019	12/7/2019
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	29.70
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
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tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	PhaseName		Route 66
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020

tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003

tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52

tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69

tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21

tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11

tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003

tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004

tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09

tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11

tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04

tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35

tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
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tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004

tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24

tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003

tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004

tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88

tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49

tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32

tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003

tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003

tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003

tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29

tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33

tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
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tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05

tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
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tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67

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tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
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tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
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tblVehicleEF	MHD	3.6600e-003	6.7370e-003
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tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003

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tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
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tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
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tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18

tblVehicleEF	MHD	1.5230e-003	1.0850e-003
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tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
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tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
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tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003

tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
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tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
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tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	5.7800e-004	5.4200e-004

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tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
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tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	0.21	0.16
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
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tblVehicleEF	SBUS	0.34	0.44
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tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17

tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27

tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96

tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Route 66	Building Construction	3/22/2019	12/7/2019	5	186	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Route 66	Air Compressors	8	4.00	78	0.48
Route 66	Air Compressors	2	6.00	78	0.48
Route 66	Air Compressors	2	4.00	78	0.48
Route 66	Bore/Drill Rigs	1	4.00	205	0.50
Route 66	Concrete/Industrial Saws	2	4.00	81	0.73
Route 66	Cranes	2	5.00	226	0.29
Route 66	Cranes	4	5.00	226	0.29
Route 66	Excavators	1	5.00	162	0.38
Route 66	Forklifts	2	4.00	89	0.20
Route 66	Generator Sets	6	2.00	49	0.74
Route 66	Generator Sets	3	6.00	84	0.74
Route 66	Other Construction Equipment	2	4.00	171	0.42
Route 66	Other Construction Equipment	3	4.00	171	0.42
Route 66	Other Construction Equipment	2	4.00	171	0.42
Route 66	Other Construction Equipment	1	4.00	171	0.42
Route 66	Other Construction Equipment	1	4.00	171	0.42
Route 66	Pavers	1	4.00	125	0.42
Route 66	Pumps	1	5.00	84	0.74
Route 66	Pumps	1	6.00	84	0.74
Route 66	Pumps	2	4.00	84	0.74
Route 66	Rollers	2	5.00	80	0.38
Route 66	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Route 66	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Route 66	Welders	14	5.00	46	0.45

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
Route 66	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Route 66 - 2019

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	1.4557	11.8672	9.9770	0.0164		0.6809	0.6809		0.6525	0.6525	0.0000	1,404.0159	1,404.0159	0.2914	0.0000	1,410.1346
Total	1.4557	11.8672	9.9770	0.0164		0.6809	0.6809		0.6525	0.6525	0.0000	1,404.0159	1,404.0159	0.2914	0.0000	1,410.1346

3.2 Route 66 - 2019

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	6.0000e-005	1.0700e-003	5.0000e-004	0.0000	9.0000e-005	2.0000e-005	1.1000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.3134	0.3134	0.0000	0.0000	0.3135
Vendor	0.0313	0.3100	0.4413	9.7000e-004	0.0279	5.1400e-003	0.0330	7.9500e-003	4.7300e-003	0.0127	0.0000	84.2432	84.2432	6.0000e-004	0.0000	84.2559
Worker	0.0589	0.0724	0.7594	2.1500e-003	0.1740	1.4100e-003	0.1754	0.0462	1.3100e-003	0.0475	0.0000	146.1776	146.1776	7.1600e-003	0.0000	146.3280
Total	0.0903	0.3835	1.2012	3.1200e-003	0.2019	6.5700e-003	0.2085	0.0542	6.0600e-003	0.0602	0.0000	230.7343	230.7343	7.7600e-003	0.0000	230.8973

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	0.4216	8.3861	10.5941	0.0164		0.5020	0.5020		0.5020	0.5020	0.0000	1,404.0142	1,404.0142	0.2914	0.0000	1,410.1329
Total	0.4216	8.3861	10.5941	0.0164		0.5020	0.5020		0.5020	0.5020	0.0000	1,404.0142	1,404.0142	0.2914	0.0000	1,410.1329

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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		0.0000	0.0000	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

North-South Project - Spread 4 (So Gardena St to Kendall)
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	39.39	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - per ARB

Construction Phase - per ARB

Off-road Equipment - per ARB

Off-road Equipment - per ARB

Trips and VMT - per ARB

On-road Fugitive Dust -

Construction Off-road Equipment Mitigation - Utilized Tier 3 for off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	740.00	282.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	39.39
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
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tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	PhaseName		So Gardena St to Kendall
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	150.00

tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003

tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97

tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76

tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10

tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003

tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004

tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30

tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17

tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
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tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
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tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96

tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
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tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
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tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
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tblVehicleEF	LHD2	2.37	1.61
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tblVehicleEF	LHD2	509.57	506.20
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tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004

tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
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tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
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tblVehicleEF	MCY	8.0000e-004	7.6600e-004
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tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22

tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
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tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
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tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13

tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
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tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003

tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003

tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07

tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004

tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003

tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003

tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003

tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09

tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
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tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
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tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003

tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
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tblVehicleEF	OBUS	0.01	9.1640e-003
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tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
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tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
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tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
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tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
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tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
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tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
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tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
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tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
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tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
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tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89

tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
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tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	0.30	0.40
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tblVehicleEF	SBUS	0.01	0.01
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tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
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tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
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tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
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tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
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tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
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tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
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tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
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tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51

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tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
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tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
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tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
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tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
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tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003

tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	So Gardena St to Kendall	Building Construction	10/1/2018	10/29/2019	5	282	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
So Gardena St to Kendall	Air Compressors	8	4.00	78	0.48
So Gardena St to Kendall	Air Compressors	2	6.00	78	0.48
So Gardena St to Kendall	Air Compressors	2	4.00	78	0.48
So Gardena St to Kendall	Bore/Drill Rigs	1	4.00	205	0.50
So Gardena St to Kendall	Concrete/Industrial Saws	2	4.00	81	0.73
So Gardena St to Kendall	Cranes	2	5.00	226	0.29
So Gardena St to Kendall	Cranes	4	5.00	226	0.29
So Gardena St to Kendall	Excavators	1	5.00	162	0.38
So Gardena St to Kendall	Forklifts	2	4.00	89	0.20
So Gardena St to Kendall	Generator Sets	6	2.00	49	0.74
So Gardena St to Kendall	Generator Sets	3	6.00	84	0.74
So Gardena St to Kendall	Other Construction Equipment	2	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	3	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	2	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	1	4.00	171	0.42
So Gardena St to Kendall	Other Construction Equipment	1	4.00	171	0.42
So Gardena St to Kendall	Pavers	1	4.00	125	0.42
So Gardena St to Kendall	Pumps	1	5.00	84	0.74
So Gardena St to Kendall	Pumps	1	6.00	84	0.74
So Gardena St to Kendall	Pumps	2	4.00	84	0.74
So Gardena St to Kendall	Rollers	2	5.00	80	0.38
So Gardena St to Kendall	Tractors/Loaders/Backhoes	5	6.00	97	0.37
So Gardena St to Kendall	Tractors/Loaders/Backhoes	6	4.00	97	0.37
So Gardena St to Kendall	Welders	14	5.00	46	0.45

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
So Gardena St to Kendall	74	232.00	46.00	2.00	10.80	7.30	150.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 So Gardena St to Kendall - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5805	4.6071	3.6061	5.8100e-003		0.2771	0.2771		0.2656	0.2656	0.0000	502.3151	502.3151	0.1067	0.0000	504.5553
Total	0.5805	4.6071	3.6061	5.8100e-003		0.2771	0.2771		0.2656	0.2656	0.0000	502.3151	502.3151	0.1067	0.0000	504.5553

3.2 So Gardena St to Kendall - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	4.0000e-004	1.6000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.1120	0.1120	0.0000	0.0000	0.1121
Vendor	0.0118	0.1194	0.1621	3.5000e-004	9.8800e-003	1.9200e-003	0.0118	2.8200e-003	1.7700e-003	4.5900e-003	0.0000	30.4858	30.4858	2.2000e-004	0.0000	30.4904
Worker	0.0227	0.0280	0.2939	7.6000e-004	0.0617	5.1000e-004	0.0622	0.0164	4.7000e-004	0.0169	0.0000	53.9209	53.9209	2.7200e-003	0.0000	53.9779
Total	0.0344	0.1478	0.4562	1.1100e-003	0.0717	2.4400e-003	0.0742	0.0193	2.2500e-003	0.0215	0.0000	84.5187	84.5187	2.9400e-003	0.0000	84.5804

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	0.1496	2.9757	3.7592	5.8100e-003		0.1781	0.1781		0.1781	0.1781	0.0000	502.3145	502.3145	0.1067	0.0000	504.5547
Total	0.1496	2.9757	3.7592	5.8100e-003		0.1781	0.1781		0.1781	0.1781	0.0000	502.3145	502.3145	0.1067	0.0000	504.5547

3.2 So Gardena St to Kendall - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	4.0000e-004	1.6000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.1120	0.1120	0.0000	0.0000	0.1121
Vendor	0.0118	0.1194	0.1621	3.5000e-004	9.8800e-003	1.9200e-003	0.0118	2.8200e-003	1.7700e-003	4.5900e-003	0.0000	30.4858	30.4858	2.2000e-004	0.0000	30.4904
Worker	0.0227	0.0280	0.2939	7.6000e-004	0.0617	5.1000e-004	0.0622	0.0164	4.7000e-004	0.0169	0.0000	53.9209	53.9209	2.7200e-003	0.0000	53.9779
Total	0.0344	0.1478	0.4562	1.1100e-003	0.0717	2.4400e-003	0.0742	0.0193	2.2500e-003	0.0215	0.0000	84.5187	84.5187	2.9400e-003	0.0000	84.5804

3.2 So Gardena St to Kendall - 2019

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	1.6904	13.7812	11.5862	0.0190		0.7907	0.7907		0.7578	0.7578	0.0000	1,630.4701	1,630.4701	0.3384	0.0000	1,637.5757
Total	1.6904	13.7812	11.5862	0.0190		0.7907	0.7907		0.7578	0.7578	0.0000	1,630.4701	1,630.4701	0.3384	0.0000	1,637.5757

3.2 So Gardena St to Kendall - 2019

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	6.0000e-005	1.2300e-003	5.3000e-004	0.0000	1.2000e-004	2.0000e-005	1.4000e-004	3.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.3595	0.3595	0.0000	0.0000	0.3596
Vendor	0.0364	0.3600	0.5125	1.1300e-003	0.0324	5.9700e-003	0.0383	9.2300e-003	5.4900e-003	0.0147	0.0000	97.8308	97.8308	7.0000e-004	0.0000	97.8455
Worker	0.0684	0.0841	0.8819	2.4900e-003	0.2020	1.6400e-003	0.2037	0.0537	1.5200e-003	0.0552	0.0000	169.7547	169.7547	8.3200e-003	0.0000	169.9293
Total	0.1049	0.4453	1.3949	3.6200e-003	0.2345	7.6300e-003	0.2421	0.0629	7.0300e-003	0.0700	0.0000	267.9450	267.9450	9.0200e-003	0.0000	268.1344

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	0.4896	9.7387	12.3029	0.0190		0.5829	0.5829		0.5829	0.5829	0.0000	1,630.4681	1,630.4681	0.3384	0.0000	1,637.5737
Total	0.4896	9.7387	12.3029	0.0190		0.5829	0.5829		0.5829	0.5829	0.0000	1,630.4681	1,630.4681	0.3384	0.0000	1,637.5737

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
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	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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

North-South Project - Spread 5a (Reche Canyon No. 1)
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	20.61	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per project description

 On-road Fugitive Dust -
 Construction Off-road Equipment Mitigation - utilized Tier 3 off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	370.00	204.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	20.61
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	PhaseName		Reche Canyon No.1
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00

tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003

tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97

tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76

tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10

tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003

tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004

tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30

tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17

tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
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tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96

tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004

tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22

tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13

tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003

tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003

tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07

tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004

tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003

tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003

tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003

tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09

tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
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tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003

tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
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tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
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tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
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tblVehicleEF	OBUS	0.55	0.78
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tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
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tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
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tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
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tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89

tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
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tblVehicleEF	SBUS	0.21	0.16
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tblVehicleEF	SBUS	0.30	0.40
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tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
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tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44

tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51

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tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96

tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003

tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Reche Canyon No.1	Building Construction	10/29/2018	8/8/2019	5	204	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reche Canyon No.1	Air Compressors	8	4.00	78	0.48
Reche Canyon No.1	Air Compressors	2	6.00	78	0.48
Reche Canyon No.1	Air Compressors	2	4.00	78	0.48
Reche Canyon No.1	Bore/Drill Rigs	1	4.00	205	0.50
Reche Canyon No.1	Concrete/Industrial Saws	2	4.00	81	0.73
Reche Canyon No.1	Cranes	2	5.00	226	0.29
Reche Canyon No.1	Cranes	4	5.00	226	0.29
Reche Canyon No.1	Excavators	1	5.00	162	0.38
Reche Canyon No.1	Forklifts	2	4.00	89	0.20
Reche Canyon No.1	Generator Sets	6	2.00	49	0.74
Reche Canyon No.1	Generator Sets	3	6.00	84	0.74
Reche Canyon No.1	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	3	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.1	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.1	Pavers	1	4.00	125	0.42
Reche Canyon No.1	Pumps	1	5.00	84	0.74
Reche Canyon No.1	Pumps	1	6.00	84	0.74
Reche Canyon No.1	Pumps	2	4.00	84	0.74
Reche Canyon No.1	Rollers	2	5.00	80	0.38
Reche Canyon No.1	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Reche Canyon No.1	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Reche Canyon No.1	Welders	14	5.00	46	0.45

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
Reche Canyon No.1	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Reche Canyon No.1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4046	3.2110	2.5133	4.0500e-003		0.1931	0.1931		0.1851	0.1851	0.0000	350.0984	350.0984	0.0744	0.0000	351.6598
Total	0.4046	3.2110	2.5133	4.0500e-003		0.1931	0.1931		0.1851	0.1851	0.0000	350.0984	350.0984	0.0744	0.0000	351.6598

3.2 Reche Canyon No.1 - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.6000e-004	1.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0721	0.0721	0.0000	0.0000	0.0721
Vendor	8.1900e-003	0.0832	0.1130	2.4000e-004	6.8900e-003	1.3400e-003	8.2300e-003	1.9700e-003	1.2300e-003	3.2000e-003	0.0000	21.2477	21.2477	1.5000e-004	0.0000	21.2509
Worker	0.0158	0.0195	0.2049	5.3000e-004	0.0430	3.5000e-004	0.0434	0.0114	3.3000e-004	0.0118	0.0000	37.5812	37.5812	1.8900e-003	0.0000	37.6210
Total	0.0240	0.1030	0.3180	7.7000e-004	0.0500	1.6900e-003	0.0517	0.0134	1.5600e-003	0.0150	0.0000	58.9010	58.9010	2.0400e-003	0.0000	58.9439

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	0.0935	2.0263	2.6615	4.0500e-003		0.1218	0.1218		0.1222	0.1222	0.0000	350.0980	350.0980	0.0744	0.0000	351.6593
Total	0.0935	2.0263	2.6615	4.0500e-003		0.1218	0.1218		0.1222	0.1222	0.0000	350.0980	350.0980	0.0744	0.0000	351.6593

3.2 Reche Canyon No.1 - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.6000e-004	1.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0721	0.0721	0.0000	0.0000	0.0721
Vendor	8.1900e-003	0.0832	0.1130	2.4000e-004	6.8900e-003	1.3400e-003	8.2300e-003	1.9700e-003	1.2300e-003	3.2000e-003	0.0000	21.2477	21.2477	1.5000e-004	0.0000	21.2509
Worker	0.0158	0.0195	0.2049	5.3000e-004	0.0430	3.5000e-004	0.0434	0.0114	3.3000e-004	0.0118	0.0000	37.5812	37.5812	1.8900e-003	0.0000	37.6210
Total	0.0240	0.1030	0.3180	7.7000e-004	0.0500	1.6900e-003	0.0517	0.0134	1.5600e-003	0.0150	0.0000	58.9010	58.9010	2.0400e-003	0.0000	58.9439

3.2 Reche Canyon No.1 - 2019

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	1.2365	10.0807	8.4751	0.0139		0.5784	0.5784		0.5543	0.5543	0.0000	1,192.6587	1,192.6587	0.2475	0.0000	1,197.8563
Total	1.2365	10.0807	8.4751	0.0139		0.5784	0.5784		0.5543	0.5543	0.0000	1,192.6587	1,192.6587	0.2475	0.0000	1,197.8563

3.2 Reche Canyon No.1 - 2019

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	4.0000e-005	8.3000e-004	3.9000e-004	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.2428	0.2428	0.0000	0.0000	0.2428
Vendor	0.0266	0.2633	0.3749	8.3000e-004	0.0237	4.3700e-003	0.0280	6.7500e-003	4.0200e-003	0.0108	0.0000	71.5614	71.5614	5.1000e-004	0.0000	71.5722
Worker	0.0501	0.0615	0.6451	1.8200e-003	0.1478	1.2000e-003	0.1490	0.0393	1.1100e-003	0.0404	0.0000	124.1724	124.1724	6.0800e-003	0.0000	124.3001
Total	0.0767	0.3257	1.0204	2.6500e-003	0.1715	5.5900e-003	0.1771	0.0460	5.1400e-003	0.0512	0.0000	195.9766	195.9766	6.5900e-003	0.0000	196.1151

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	0.3261	7.0105	9.1441	0.0139		0.4216	0.4216		0.4228	0.4228	0.0000	1,192.6573	1,192.6573	0.2475	0.0000	1,197.8548
Total	0.3261	7.0105	9.1441	0.0139		0.4216	0.4216		0.4228	0.4228	0.0000	1,192.6573	1,192.6573	0.2475	0.0000	1,197.8548

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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		0.0000	0.0000	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

North-South Project - Spread 5b (Reche Canyon No. 2)
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	12.12	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per ARB
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	29.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	12.12
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	PhaseName		Reche Canyon No.2
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00

tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80
tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003

tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97

tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76

tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10

tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003

tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004

tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30

tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17

tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04

tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003

tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
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tblVehicleEF	LHD1	0.35	0.32
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tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96

tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
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tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004

tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22

tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003
tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
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tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13

tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003

tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003

tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07

tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004

tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003

tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34

tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003

tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003

tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09

tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003

tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89

tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44

tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51

tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96

tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003

tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Reche Canyon No.2	Building Construction	10/10/2019	11/19/2019	5	29	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reche Canyon No.2	Air Compressors	8	4.00	78	0.48
Reche Canyon No.2	Air Compressors	2	6.00	78	0.48
Reche Canyon No.2	Air Compressors	2	4.00	78	0.48
Reche Canyon No.2	Bore/Drill Rigs	1	4.00	205	0.50
Reche Canyon No.2	Concrete/Industrial Saws	2	4.00	81	0.73
Reche Canyon No.2	Cranes	2	5.00	226	0.29
Reche Canyon No.2	Cranes	4	5.00	226	0.29
Reche Canyon No.2	Excavators	1	5.00	162	0.38
Reche Canyon No.2	Forklifts	2	4.00	89	0.20
Reche Canyon No.2	Generator Sets	6	2.00	49	0.74
Reche Canyon No.2	Generator Sets	3	6.00	84	0.74
Reche Canyon No.2	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.2	Other Construction Equipment	3	4.00	171	0.42
Reche Canyon No.2	Other Construction Equipment	2	4.00	171	0.42
Reche Canyon No.2	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.2	Other Construction Equipment	1	4.00	171	0.42
Reche Canyon No.2	Pavers	1	4.00	125	0.42
Reche Canyon No.2	Pumps	1	5.00	84	0.74
Reche Canyon No.2	Pumps	1	6.00	84	0.74
Reche Canyon No.2	Pumps	2	4.00	84	0.74
Reche Canyon No.2	Rollers	2	5.00	80	0.38
Reche Canyon No.2	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Reche Canyon No.2	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Reche Canyon No.2	Welders	14	5.00	46	0.45

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
Reche Canyon No.2	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Clean Paved Roads

3.2 Reche Canyon No.2 - 2019

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	0.2270	1.8503	1.5556	2.5500e-003		0.1062	0.1062		0.1017	0.1017	0.0000	218.9057	218.9057	0.0454	0.0000	219.8597
Total	0.2270	1.8503	1.5556	2.5500e-003		0.1062	0.1062		0.1017	0.1017	0.0000	218.9057	218.9057	0.0454	0.0000	219.8597

3.2 Reche Canyon No.2 - 2019

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	6.0000e-005	1.0700e-003	5.0000e-004	0.0000	9.0000e-005	2.0000e-005	1.1000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.3134	0.3134	0.0000	0.0000	0.3135
Vendor	4.8800e-003	0.0483	0.0688	1.5000e-004	4.3400e-003	8.0000e-004	5.1400e-003	1.2400e-003	7.4000e-004	1.9800e-003	0.0000	13.1347	13.1347	9.0000e-005	0.0000	13.1367
Worker	9.1900e-003	0.0113	0.1184	3.3000e-004	0.0271	2.2000e-004	0.0273	7.2000e-003	2.0000e-004	7.4100e-003	0.0000	22.7911	22.7911	1.1200e-003	0.0000	22.8146
Total	0.0141	0.0607	0.1877	4.8000e-004	0.0316	1.0400e-003	0.0326	8.4600e-003	9.6000e-004	9.4300e-003	0.0000	36.2392	36.2392	1.2100e-003	0.0000	36.2647

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	0.0657	1.3075	1.6518	2.5500e-003		0.0783	0.0783		0.0783	0.0783	0.0000	218.9054	218.9054	0.0454	0.0000	219.8594
Total	0.0657	1.3075	1.6518	2.5500e-003		0.0783	0.0783		0.0783	0.0783	0.0000	218.9054	218.9054	0.0454	0.0000	219.8594

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
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	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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

North-South Project - Spread 6 (Moreno)
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	28.18	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - per ARB

Construction Phase - per ARB

Off-road Equipment - per ARB

Off-road Equipment - per ARB

Trips and VMT - per ARB

On-road Fugitive Dust -

Construction Off-road Equipment Mitigation - Utilized Tier 3 for off-road construction equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	440.00	124.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	28.18
tblOffRoadEquipment	HorsePower	84.00	49.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	14.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	5.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	7.30
tblTripsAndVMT	VendorTripNumber	0.00	46.00
tblTripsAndVMT	WorkerTripLength	14.70	10.80

tblTripsAndVMT	WorkerTripNumber	0.00	232.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15

tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11

tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65

tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44
tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003

tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05

tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09

tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02

tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07

tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59

tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33

tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01

tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
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tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003

tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005

tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5800e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.91	1.66
tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08

tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
tblVehicleEF	LHD1	5.3600e-004	4.5700e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004

tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13

tblVehicleEF	LHD2	1.47	2.53
tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14

tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.53	2.68
tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01

tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
tblVehicleEF	MCY	1.9590e-003	2.3100e-003

tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13
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tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53

tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
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tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09

tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08

tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
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tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58

tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07

tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92

tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07

tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.0400e-004	8.5100e-004
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01

tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	8.6000e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003

tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
tblVehicleEF	MHD	1.60	1.76
tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.88	1.10
tblVehicleEF	MHD	5.5660e-003	5.5560e-003

tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.28	1.97
tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004

tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09
tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.24	1.96
tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03

tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25

tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89
tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05

tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88

tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50

tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08

tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

2.0 Emissions Summary

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Moreno	Building Construction	10/1/2018	3/21/2019	5	124	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Moreno	Air Compressors	8	4.00	78	0.48
Moreno	Air Compressors	2	6.00	78	0.48
Moreno	Air Compressors	2	4.00	78	0.48
Moreno	Bore/Drill Rigs	1	4.00	205	0.50
Moreno	Concrete/Industrial Saws	2	4.00	81	0.73
Moreno	Cranes	2	5.00	226	0.29
Moreno	Cranes	4	5.00	226	0.29
Moreno	Excavators	1	5.00	162	0.38
Moreno	Forklifts	2	4.00	89	0.20
Moreno	Generator Sets	6	2.00	49	0.74
Moreno	Generator Sets	3	6.00	84	0.74
Moreno	Other Construction Equipment	2	4.00	171	0.42
Moreno	Other Construction Equipment	3	4.00	171	0.42
Moreno	Other Construction Equipment	2	4.00	171	0.42
Moreno	Other Construction Equipment	1	4.00	171	0.42
Moreno	Other Construction Equipment	1	4.00	171	0.42
Moreno	Pavers	1	4.00	125	0.42
Moreno	Pumps	1	5.00	84	0.74
Moreno	Pumps	1	6.00	84	0.74
Moreno	Pumps	2	4.00	84	0.74
Moreno	Rollers	2	5.00	80	0.38
Moreno	Tractors/Loaders/Backhoes	5	6.00	97	0.37
Moreno	Tractors/Loaders/Backhoes	6	4.00	97	0.37
Moreno	Welders	14	5.00	46	0.45

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
Moreno	74	232.00	46.00	2.00	10.80	7.30	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Moreno - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5805	4.6071	3.6061	5.8100e-003		0.2771	0.2771		0.2656	0.2656	0.0000	502.3151	502.3151	0.1067	0.0000	504.5553
Total	0.5805	4.6071	3.6061	5.8100e-003		0.2771	0.2771		0.2656	0.2656	0.0000	502.3151	502.3151	0.1067	0.0000	504.5553

3.2 Moreno - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	6.1000e-004	2.7000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.1701	0.1701	0.0000	0.0000	0.1702
Vendor	0.0118	0.1194	0.1621	3.5000e-004	9.8800e-003	1.9200e-003	0.0118	2.8200e-003	1.7700e-003	4.5900e-003	0.0000	30.4858	30.4858	2.2000e-004	0.0000	30.4904
Worker	0.0227	0.0280	0.2939	7.6000e-004	0.0617	5.1000e-004	0.0622	0.0164	4.7000e-004	0.0169	0.0000	53.9209	53.9209	2.7200e-003	0.0000	53.9779
Total	0.0344	0.1480	0.4563	1.1100e-003	0.0717	2.4400e-003	0.0741	0.0192	2.2500e-003	0.0215	0.0000	84.5768	84.5768	2.9400e-003	0.0000	84.6385

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	0.1342	2.9074	3.8187	5.8100e-003		0.1748	0.1748		0.1753	0.1753	0.0000	502.3145	502.3145	0.1067	0.0000	504.5547
Total	0.1342	2.9074	3.8187	5.8100e-003		0.1748	0.1748		0.1753	0.1753	0.0000	502.3145	502.3145	0.1067	0.0000	504.5547

3.2 Moreno - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	6.1000e-004	2.7000e-004	0.0000	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.1701	0.1701	0.0000	0.0000	0.1702
Vendor	0.0118	0.1194	0.1621	3.5000e-004	9.8800e-003	1.9200e-003	0.0118	2.8200e-003	1.7700e-003	4.5900e-003	0.0000	30.4858	30.4858	2.2000e-004	0.0000	30.4904
Worker	0.0227	0.0280	0.2939	7.6000e-004	0.0617	5.1000e-004	0.0622	0.0164	4.7000e-004	0.0169	0.0000	53.9209	53.9209	2.7200e-003	0.0000	53.9779
Total	0.0344	0.1480	0.4563	1.1100e-003	0.0717	2.4400e-003	0.0741	0.0192	2.2500e-003	0.0215	0.0000	84.5768	84.5768	2.9400e-003	0.0000	84.6385

3.2 Moreno - 2019

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	0.4539	3.7005	3.1111	5.1000e-003		0.2123	0.2123		0.2035	0.2035	0.0000	437.8114	437.8114	0.0909	0.0000	439.7194
Total	0.4539	3.7005	3.1111	5.1000e-003		0.2123	0.2123		0.2035	0.2035	0.0000	437.8114	437.8114	0.0909	0.0000	439.7194

3.2 Moreno - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	5.0000e-004	2.3000e-004	0.0000	7.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.1466	0.1466	0.0000	0.0000	0.1466
Vendor	9.7700e-003	0.0967	0.1376	3.0000e-004	8.6900e-003	1.6000e-003	0.0103	2.4800e-003	1.4800e-003	3.9500e-003	0.0000	26.2694	26.2694	1.9000e-004	0.0000	26.2733
Worker	0.0184	0.0226	0.2368	6.7000e-004	0.0543	4.4000e-004	0.0547	0.0144	4.1000e-004	0.0148	0.0000	45.5823	45.5823	2.2300e-003	0.0000	45.6292
Total	0.0282	0.1197	0.3747	9.7000e-004	0.0630	2.0500e-003	0.0651	0.0169	1.9000e-003	0.0188	0.0000	71.9983	71.9983	2.4200e-003	0.0000	72.0491

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	0.1197	2.5735	3.3567	5.1000e-003		0.1547	0.1547		0.1552	0.1552	0.0000	437.8109	437.8109	0.0909	0.0000	439.7189
Total	0.1197	2.5735	3.3567	5.1000e-003		0.1547	0.1547		0.1552	0.1552	0.0000	437.8109	437.8109	0.0909	0.0000	439.7189

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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		0.0000	0.0000	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

North-South Project - Compressor Station
Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	3.20	User Defined Unit	3.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per project description
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per ARB

 On-road Fugitive Dust -
 Grading - per ARB
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	230.00	325.00
tblConstructionPhase	NumDays	5.00	67.00
tblLandUse	LotAcreage	0.00	3.20
tblOffRoadEquipment	HorsePower	171.00	205.00
tblOffRoadEquipment	LoadFactor	0.42	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripLength	10.80	50.00
tblTripsAndVMT	WorkerTripNumber	13.00	54.00
tblTripsAndVMT	WorkerTripNumber	0.00	54.00

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					
2018	0.0772	0.6877	0.8602	1.8600e-003	0.0782	0.0373	0.1155	0.0210	0.0357	0.0567	0.0000	149.8676	149.8676	0.0144	0.0000	150.1691
2019	0.8743	8.6131	7.4282	0.0136	0.2977	0.4767	0.7745	0.0797	0.4447	0.5244	0.0000	1,144.9661	1,144.9661	0.2413	0.0000	1,150.0324
2020	0.2012	1.9732	1.8075	3.4000e-003	0.0742	0.1073	0.1815	0.0199	0.1000	0.1199	0.0000	279.3755	279.3755	0.0598	0.0000	280.6319
Total	1.1527	11.2740	10.0958	0.0189	0.4501	0.6213	1.0714	0.1205	0.5804	0.7009	0.0000	1,574.2092	1,574.2092	0.3154	0.0000	1,580.8333

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0330	0.4831	0.8990	1.8600e-003	0.0782	0.0260	0.1042	0.0210	0.0257	0.0467	0.0000	149.8675	149.8675	0.0144	0.0000	150.1690
2019	0.2803	5.0861	8.0335	0.0136	0.2977	0.2754	0.5731	0.0797	0.2746	0.3543	0.0000	1,144.9651	1,144.9651	0.2413	0.0000	1,150.0314
2020	0.0686	1.2564	1.9789	3.4000e-003	0.0742	0.0686	0.1427	0.0199	0.0684	0.0882	0.0000	279.3753	279.3753	0.0598	0.0000	280.6316
Total	0.3818	6.8255	10.9115	0.0189	0.4501	0.3699	0.8200	0.1205	0.3687	0.4892	0.0000	1,574.2078	1,574.2078	0.3154	0.0000	1,580.8320

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	66.87	39.46	-8.08	0.00	0.00	40.46	23.46	0.00	36.47	30.20	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	tons/yr										MT/yr					
Area	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site prep	Site Preparation	10/1/2018	1/1/2019	5	67	
2	Building Construction	Building Construction	1/2/2019	3/31/2020	5	325	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site prep	Generator Sets	2	8.00	84	0.74
Site prep	Other Construction Equipment	1	8.00	205	0.50
Site prep	Other Construction Equipment	1	8.00	171	0.42
Site prep	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cranes	2	8.00	226	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Trenchers	1	8.00	80	0.50

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site prep	5	54.00	8.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	54.00	6.00	2.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site prep - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0604	0.5570	0.4608	7.4000e-004		0.0339	0.0339		0.0326	0.0326	0.0000	65.1722	65.1722	0.0114	0.0000	65.4109
Total	0.0604	0.5570	0.4608	7.4000e-004	0.0000	0.0339	0.0339	0.0000	0.0326	0.0326	0.0000	65.1722	65.1722	0.0114	0.0000	65.4109

3.2 Site prep - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9300e-003	0.0939	0.0749	3.6000e-004	0.0117	3.0100e-003	0.0147	3.3200e-003	2.7700e-003	6.0900e-003	0.0000	32.1792	32.1792	1.5000e-004	0.0000	32.1822
Worker	0.0109	0.0368	0.3245	7.6000e-004	0.0665	3.8000e-004	0.0669	0.0177	3.5000e-004	0.0180	0.0000	52.5162	52.5162	2.8400e-003	0.0000	52.5759
Total	0.0168	0.1306	0.3993	1.1200e-003	0.0782	3.3900e-003	0.0816	0.0210	3.1200e-003	0.0241	0.0000	84.6954	84.6954	2.9900e-003	0.0000	84.7582

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0162	0.3525	0.4997	7.4000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	65.1721	65.1721	0.0114	0.0000	65.4108
Total	0.0162	0.3525	0.4997	7.4000e-004	0.0000	0.0226	0.0226	0.0000	0.0226	0.0226	0.0000	65.1721	65.1721	0.0114	0.0000	65.4108

3.2 Site prep - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9300e-003	0.0939	0.0749	3.6000e-004	0.0117	3.0100e-003	0.0147	3.3200e-003	2.7700e-003	6.0900e-003	0.0000	32.1792	32.1792	1.5000e-004	0.0000	32.1822
Worker	0.0109	0.0368	0.3245	7.6000e-004	0.0665	3.8000e-004	0.0669	0.0177	3.5000e-004	0.0180	0.0000	52.5162	52.5162	2.8400e-003	0.0000	52.5759
Total	0.0168	0.1306	0.3993	1.1200e-003	0.0782	3.3900e-003	0.0816	0.0210	3.1200e-003	0.0241	0.0000	84.6954	84.6954	2.9900e-003	0.0000	84.7582

3.2 Site prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-004	7.7500e-003	6.9400e-003	1.0000e-005		4.5000e-004	4.5000e-004		4.3000e-004	4.3000e-004	0.0000	0.9808	0.9808	1.7000e-004	0.0000	0.9843
Total	8.2000e-004	7.7500e-003	6.9400e-003	1.0000e-005	0.0000	4.5000e-004	4.5000e-004	0.0000	4.3000e-004	4.3000e-004	0.0000	0.9808	0.9808	1.7000e-004	0.0000	0.9843

3.2 Site prep - 2019

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	0.0000
Vendor	8.0000e-005	1.2700e-003	1.0600e-003	1.0000e-005	1.8000e-004	4.0000e-005	2.2000e-004	5.0000e-005	4.0000e-005	9.0000e-005	0.0000	0.4789	0.4789	0.0000	0.0000	0.4789	
Worker	1.4000e-004	5.1000e-004	4.4700e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.7646	0.7646	4.0000e-005	0.0000	0.7654	
Total	2.2000e-004	1.7800e-003	5.5300e-003	2.0000e-005	1.1900e-003	5.0000e-005	1.2300e-003	3.2000e-004	5.0000e-005	3.6000e-004	0.0000	1.2435	1.2435	4.0000e-005	0.0000	1.2444	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5000e-004	5.3400e-003	7.5700e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	0.9808	0.9808	1.7000e-004	0.0000	0.9843
Total	2.5000e-004	5.3400e-003	7.5700e-003	1.0000e-005	0.0000	3.4000e-004	3.4000e-004	0.0000	3.4000e-004	3.4000e-004	0.0000	0.9808	0.9808	1.7000e-004	0.0000	0.9843

3.2 Site prep - 2019

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	8.0000e-005	1.2700e-003	1.0600e-003	1.0000e-005	1.8000e-004	4.0000e-005	2.2000e-004	5.0000e-005	4.0000e-005	9.0000e-005	0.0000	0.4789	0.4789	0.0000	0.0000	0.4789
Worker	1.4000e-004	5.1000e-004	4.4700e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.7646	0.7646	4.0000e-005	0.0000	0.7654
Total	2.2000e-004	1.7800e-003	5.5300e-003	2.0000e-005	1.1900e-003	5.0000e-005	1.2300e-003	3.2000e-004	5.0000e-005	3.6000e-004	0.0000	1.2435	1.2435	4.0000e-005	0.0000	1.2444

3.3 Building Construction - 2019

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	0.8199	8.2235	6.0473	9.5500e-003		0.4664	0.4664		0.4352	0.4352	0.0000	850.3293	850.3293	0.2302	0.0000	855.1629
Total	0.8199	8.2235	6.0473	9.5500e-003		0.4664	0.4664		0.4352	0.4352	0.0000	850.3293	850.3293	0.2302	0.0000	855.1629

3.3 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	5.6000e-004	4.1000e-004	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.2398	0.2398	0.0000	0.0000	0.2399
Vendor	0.0163	0.2477	0.2062	1.0700e-003	0.0345	8.3100e-003	0.0428	9.8000e-003	7.6500e-003	0.0175	0.0000	93.3841	93.3841	4.1000e-004	0.0000	93.3927
Worker	0.0370	0.1319	1.1618	2.9900e-003	0.2620	1.4700e-003	0.2634	0.0696	1.3600e-003	0.0709	0.0000	198.7887	198.7887	0.0105	0.0000	199.0084
Total	0.0533	0.3801	1.3685	4.0600e-003	0.2965	9.8000e-003	0.3063	0.0794	9.0300e-003	0.0884	0.0000	292.4126	292.4126	0.0109	0.0000	292.6409

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	0.2265	4.6989	6.6520	9.5500e-003		0.2652	0.2652		0.2652	0.2652	0.0000	850.3283	850.3283	0.2302	0.0000	855.1619
Total	0.2265	4.6989	6.6520	9.5500e-003		0.2652	0.2652		0.2652	0.2652	0.0000	850.3283	850.3283	0.2302	0.0000	855.1619

3.3 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	5.6000e-004	4.1000e-004	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.2398	0.2398	0.0000	0.0000	0.2399
Vendor	0.0163	0.2477	0.2062	1.0700e-003	0.0345	8.3100e-003	0.0428	9.8000e-003	7.6500e-003	0.0175	0.0000	93.3841	93.3841	4.1000e-004	0.0000	93.3927
Worker	0.0370	0.1319	1.1618	2.9900e-003	0.2620	1.4700e-003	0.2634	0.0696	1.3600e-003	0.0709	0.0000	198.7887	198.7887	0.0105	0.0000	199.0084
Total	0.0533	0.3801	1.3685	4.0600e-003	0.2965	9.8000e-003	0.3063	0.0794	9.0300e-003	0.0884	0.0000	292.4126	292.4126	0.0109	0.0000	292.6409

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1893	1.8915	1.4915	2.3900e-003		0.1051	0.1051		0.0980	0.0980	0.0000	208.8364	208.8364	0.0573	0.0000	210.0388
Total	0.1893	1.8915	1.4915	2.3900e-003		0.1051	0.1051		0.0980	0.0980	0.0000	208.8364	208.8364	0.0573	0.0000	210.0388

3.3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.2000e-004	1.0000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0586	0.0586	0.0000	0.0000	0.0586
Vendor	3.6400e-003	0.0512	0.0476	2.7000e-004	8.6200e-003	1.8800e-003	0.0105	2.4500e-003	1.7300e-003	4.1800e-003	0.0000	22.8076	22.8076	1.0000e-004	0.0000	22.8096
Worker	8.3000e-003	0.0304	0.2683	7.5000e-004	0.0655	3.6000e-004	0.0659	0.0174	3.4000e-004	0.0177	0.0000	47.6729	47.6729	2.4700e-003	0.0000	47.7249
Total	0.0120	0.0817	0.3159	1.0200e-003	0.0742	2.2400e-003	0.0764	0.0199	2.0700e-003	0.0219	0.0000	70.5391	70.5391	2.5700e-003	0.0000	70.5931

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	0.0566	1.1747	1.6630	2.3900e-003		0.0663	0.0663		0.0663	0.0663	0.0000	208.8361	208.8361	0.0573	0.0000	210.0385
Total	0.0566	1.1747	1.6630	2.3900e-003		0.0663	0.0663		0.0663	0.0663	0.0000	208.8361	208.8361	0.0573	0.0000	210.0385

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
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	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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	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	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005
Unmitigated	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005
Total	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005
Architectural Coating	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	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	6.0000e-005

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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

North-South Project - Pressure Limiting Station
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	1.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per project description
 Construction Phase - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Off-road Equipment - per ARB
 Trips and VMT - per project description

 On-road Fugitive Dust -
 Grading - per ARB
 Construction Off-road Equipment Mitigation - Utilized Tier 3 off-road construction equipment

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	250
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	250
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	100.00	303.00
tblConstructionPhase	NumDays	1.00	67.00
tblConsumerProducts	ROG_EF	1.98E-05	2.14E-05
tblLandscapeEquipment	NumberSummerDays	250	180
tblLandUse	LotAcreage	0.00	1.00
tblOffRoadEquipment	HorsePower	171.00	205.00
tblOffRoadEquipment	LoadFactor	0.42	0.50

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site prep
tblOffRoadEquipment	PhaseName		Site prep
tblOffRoadEquipment	PhaseName		Site prep
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripLength	20.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.90	50.00
tblTripsAndVMT	VendorTripLength	6.90	50.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripLength	14.70	50.00
tblTripsAndVMT	WorkerTripNumber	13.00	54.00
tblTripsAndVMT	WorkerTripNumber	0.00	54.00
tblVehicleEF	HHD	7.5490e-003	7.3660e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10

tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.24	2.33
tblVehicleEF	HHD	5.9320e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2710e-003	1.6030e-003
tblVehicleEF	HHD	2.3200e-003	7.2830e-003
tblVehicleEF	HHD	0.06	0.13
tblVehicleEF	HHD	0.60	0.63
tblVehicleEF	HHD	1.6920e-003	4.5110e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.70
tblVehicleEF	HHD	1.32	2.49
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	4.35	4.56
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	54.58	77.65
tblVehicleEF	HHD	484.88	484.76
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.76	3.44

tblVehicleEF	HHD	4.18	2.67
tblVehicleEF	HHD	3.54	5.22
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.61	0.63
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.24	0.15
tblVehicleEF	HHD	0.30	0.69
tblVehicleEF	HHD	1.44	2.76
tblVehicleEF	HHD	5.1400e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4540e-003	1.8750e-003
tblVehicleEF	HHD	1.4620e-003	2.7000e-003
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	0.69	0.72
tblVehicleEF	HHD	1.0540e-003	1.2910e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.30	0.69

tblVehicleEF	HHD	1.54	2.95
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	3.16	3.31
tblVehicleEF	HHD	1.68	1.41
tblVehicleEF	HHD	53.80	77.99
tblVehicleEF	HHD	528.22	528.08
tblVehicleEF	HHD	1,524.51	1,457.43
tblVehicleEF	HHD	49.77	51.30
tblVehicleEF	HHD	0.03	0.08
tblVehicleEF	HHD	3.93	3.60
tblVehicleEF	HHD	4.25	2.68
tblVehicleEF	HHD	3.53	5.19
tblVehicleEF	HHD	9.7330e-003	9.4980e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11
tblVehicleEF	HHD	9.6100e-004	1.7750e-003
tblVehicleEF	HHD	8.9550e-003	8.7380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7160e-003	8.9320e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	8.6600e-004	1.5320e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	0.56	0.59
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.24	0.15

tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.42	2.81
tblVehicleEF	HHD	5.5990e-003	5.5980e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4410e-003	1.8820e-003
tblVehicleEF	HHD	1.4370e-003	3.3700e-003
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tblVehicleEF	HHD	0.64	0.67
tblVehicleEF	HHD	1.0510e-003	1.8300e-003
tblVehicleEF	HHD	0.27	0.17
tblVehicleEF	HHD	0.28	0.66
tblVehicleEF	HHD	1.52	3.00
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	6.5920e-003
tblVehicleEF	HHD	2.30	2.41
tblVehicleEF	HHD	1.69	1.42
tblVehicleEF	HHD	43.34	61.16
tblVehicleEF	HHD	559.60	559.46
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tblVehicleEF	HHD	49.77	51.30
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tblVehicleEF	HHD	4.06	3.72
tblVehicleEF	HHD	4.01	2.52
tblVehicleEF	HHD	3.38	4.97
tblVehicleEF	HHD	8.2050e-003	8.0070e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.09	0.11

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tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
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tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	3.7860e-003	3.6390e-003
tblVehicleEF	LDA	7.5600e-004	7.6400e-004
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.74	0.86
tblVehicleEF	LDA	1.44	1.99
tblVehicleEF	LDA	244.71	220.72
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003

tblVehicleEF	LDA	1.7880e-003	1.4270e-003
tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5390e-003	3.2550e-003
tblVehicleEF	LDA	7.6200e-004	7.7100e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.25	0.23
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.77	0.96
tblVehicleEF	LDA	1.39	1.89
tblVehicleEF	LDA	248.70	230.17
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDA	1.7880e-003	1.4270e-003

tblVehicleEF	LDA	3.1270e-003	3.2320e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	3.5970e-003	3.3960e-003
tblVehicleEF	LDA	7.6100e-004	7.6900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.22	0.21
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	9.9910e-003	0.01
tblVehicleEF	LDA	5.4270e-003	6.1180e-003
tblVehicleEF	LDA	0.86	1.16
tblVehicleEF	LDA	1.09	1.59
tblVehicleEF	LDA	261.60	246.46
tblVehicleEF	LDA	52.85	51.83
tblVehicleEF	LDA	0.51	0.45
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.08	0.12
tblVehicleEF	LDA	1.9290e-003	1.5390e-003
tblVehicleEF	LDA	3.3720e-003	3.4850e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003

tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.24	0.26
tblVehicleEF	LDT1	4.3690e-003	4.2220e-003
tblVehicleEF	LDT1	8.9900e-004	9.1500e-004
tblVehicleEF	LDT1	0.25	0.30
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.18	0.22
tblVehicleEF	LDT1	0.07	0.08
tblVehicleEF	LDT1	0.87	0.59
tblVehicleEF	LDT1	0.25	0.28
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.98	1.94
tblVehicleEF	LDT1	3.88	4.62
tblVehicleEF	LDT1	299.01	267.26
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.20	0.24
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.16	0.09

tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.0920e-003	3.7910e-003
tblVehicleEF	LDT1	9.1500e-004	9.3000e-004
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.31	0.17
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.10	0.63
tblVehicleEF	LDT1	0.30	0.33
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.05	2.12
tblVehicleEF	LDT1	3.77	4.47
tblVehicleEF	LDT1	303.51	277.48
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.22	0.27
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT1	3.4190e-003	2.3760e-003
tblVehicleEF	LDT1	4.3890e-003	4.2620e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17

tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.28	0.30
tblVehicleEF	LDT1	4.1550e-003	3.9400e-003
tblVehicleEF	LDT1	9.1300e-004	9.2800e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.28	0.17
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.93	0.56
tblVehicleEF	LDT1	0.30	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.24	2.54
tblVehicleEF	LDT1	2.97	3.75
tblVehicleEF	LDT1	318.71	296.89
tblVehicleEF	LDT1	63.81	62.22
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.18	0.23
tblVehicleEF	LDT1	0.20	0.25
tblVehicleEF	LDT1	3.6870e-003	2.5630e-003
tblVehicleEF	LDT1	4.7320e-003	4.5960e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	5.1360e-003	4.9530e-003
tblVehicleEF	LDT2	1.0320e-003	1.0440e-003
tblVehicleEF	LDT2	0.10	0.16
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.39	0.35
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.03	1.16
tblVehicleEF	LDT2	2.10	2.84
tblVehicleEF	LDT2	363.33	328.45
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.11	0.15
tblVehicleEF	LDT2	0.18	0.24
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8080e-003	4.4320e-003
tblVehicleEF	LDT2	1.0410e-003	1.0540e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.15	0.11
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.48	0.39
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.07	1.28
tblVehicleEF	LDT2	2.03	2.74
tblVehicleEF	LDT2	369.06	341.74
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.12	0.16
tblVehicleEF	LDT2	0.18	0.23
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LDT2	1.7830e-003	1.4590e-003
tblVehicleEF	LDT2	3.1180e-003	3.2820e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.41	0.34

tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	4.8850e-003	4.6130e-003
tblVehicleEF	LDT2	1.0390e-003	1.0520e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.41	0.34
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.9760e-003	9.0040e-003
tblVehicleEF	LDT2	1.19	1.55
tblVehicleEF	LDT2	1.60	2.27
tblVehicleEF	LDT2	387.84	366.58
tblVehicleEF	LDT2	77.44	76.30
tblVehicleEF	LDT2	0.18	0.18
tblVehicleEF	LDT2	0.10	0.15
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.9220e-003	1.5730e-003
tblVehicleEF	LDT2	3.3610e-003	3.5380e-003
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
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tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.32	0.30
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9690e-003
tblVehicleEF	LHD1	5.2300e-004	4.4400e-004
tblVehicleEF	LHD1	4.1230e-003	5.7350e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5230e-003	3.2780e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.41	0.28
tblVehicleEF	LHD1	0.35	0.32
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.03
tblVehicleEF	LHD1	4.08	3.55
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.96	1.77
tblVehicleEF	LHD1	1.31	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
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tblVehicleEF	LHD1	2.7730e-003	2.2110e-003
tblVehicleEF	LHD1	0.08	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6400e-003	9.7700e-004
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.45	0.29
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	0.99	1.04
tblVehicleEF	LHD1	4.05	3.61
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
tblVehicleEF	LHD1	41.54	35.18
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
tblVehicleEF	LHD1	0.98	1.79
tblVehicleEF	LHD1	1.30	1.25
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004
tblVehicleEF	LHD1	4.4100e-004	6.8900e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2390e-003	2.3810e-003
tblVehicleEF	LHD1	6.1210e-003	8.1260e-003
tblVehicleEF	LHD1	8.4000e-004	6.5500e-004
tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.37	0.35

tblVehicleEF	LHD1	8.8000e-005	9.1000e-005
tblVehicleEF	LHD1	5.8180e-003	5.9680e-003
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tblVehicleEF	LHD1	2.6250e-003	2.7100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.6290e-003	1.3630e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.42	0.27
tblVehicleEF	LHD1	0.39	0.37
tblVehicleEF	LHD1	1.2780e-003	1.1540e-003
tblVehicleEF	LHD1	0.01	7.9630e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.19	0.17
tblVehicleEF	LHD1	1.01	1.06
tblVehicleEF	LHD1	3.28	2.79
tblVehicleEF	LHD1	7.70	8.08
tblVehicleEF	LHD1	528.12	544.77
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tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.05	0.07
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tblVehicleEF	LHD1	1.25	1.19
tblVehicleEF	LHD1	4.7900e-004	7.4900e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	8.9560e-003	9.5250e-003
tblVehicleEF	LHD1	6.6480e-003	8.8310e-003
tblVehicleEF	LHD1	9.0800e-004	7.0800e-004

tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
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tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.19	0.15
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5000e-004	2.4800e-004
tblVehicleEF	LHD2	2.2700e-003	2.7660e-003
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4440e-003	1.5670e-003
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.23	0.14
tblVehicleEF	LHD2	0.21	0.16
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
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tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.37	1.61

tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
tblVehicleEF	LHD2	0.10	0.13
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tblVehicleEF	LHD2	0.86	0.70
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.22	0.17
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
tblVehicleEF	LHD2	3.5800e-004	2.5500e-004
tblVehicleEF	LHD2	1.5110e-003	8.7200e-004

tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.4300e-004	4.5800e-004
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.26	0.14
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.65	0.70
tblVehicleEF	LHD2	2.34	1.55
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003
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tblVehicleEF	LHD2	1.56	2.70
tblVehicleEF	LHD2	0.86	0.69
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	LHD2	9.6200e-004	1.2500e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.4950e-003	2.6640e-003
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.3800e-004	2.6400e-004
tblVehicleEF	LHD2	1.4630e-003	1.3400e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.22	0.16
tblVehicleEF	LHD2	9.4000e-005	9.8000e-005
tblVehicleEF	LHD2	5.5450e-003	5.4670e-003
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tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.5100e-004	7.1700e-004
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tblVehicleEF	LHD2	0.24	0.13
tblVehicleEF	LHD2	0.23	0.18
tblVehicleEF	LHD2	1.0000e-003	8.3300e-004
tblVehicleEF	LHD2	7.6760e-003	5.3000e-003
tblVehicleEF	LHD2	0.01	9.3020e-003
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	0.66	0.71
tblVehicleEF	LHD2	1.90	1.24
tblVehicleEF	LHD2	8.48	8.96
tblVehicleEF	LHD2	509.57	506.20
tblVehicleEF	LHD2	28.34	20.23
tblVehicleEF	LHD2	6.7260e-003	7.3980e-003

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tblVehicleEF	LHD2	0.82	0.67
tblVehicleEF	LHD2	1.0450e-003	1.3580e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	9.9790e-003	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.7300e-004	2.8600e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.33	2.96
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.81	1.85
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tblVehicleEF	MCY	6.2300e-004	6.2900e-004
tblVehicleEF	MCY	1.66	3.13
tblVehicleEF	MCY	0.51	0.88
tblVehicleEF	MCY	1.05	2.22
tblVehicleEF	MCY	2.56	3.23
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	1.95	1.99
tblVehicleEF	MCY	20.49	29.37
tblVehicleEF	MCY	10.06	10.51
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24

tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.13	1.27
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.39	2.98
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.08	2.13
tblVehicleEF	MCY	1.9680e-003	2.2780e-003
tblVehicleEF	MCY	6.5100e-004	6.5700e-004
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	0.54	0.53
tblVehicleEF	MCY	0.54	0.41
tblVehicleEF	MCY	2.62	3.25
tblVehicleEF	MCY	1.48	1.49
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MCY	20.61	30.79
tblVehicleEF	MCY	10.01	10.67
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.16	1.30
tblVehicleEF	MCY	0.31	0.31

tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MCY	2.6400e-004	3.1400e-004
tblVehicleEF	MCY	8.0000e-004	7.6600e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.39	3.01
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.06	2.14
tblVehicleEF	MCY	1.9700e-003	2.3010e-003
tblVehicleEF	MCY	6.5000e-004	6.6000e-004
tblVehicleEF	MCY	0.98	1.38
tblVehicleEF	MCY	0.41	0.48
tblVehicleEF	MCY	0.55	0.77
tblVehicleEF	MCY	2.62	3.28
tblVehicleEF	MCY	1.24	1.27
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	19.99	31.42
tblVehicleEF	MCY	8.80	9.27
tblVehicleEF	MCY	141.43	155.13
tblVehicleEF	MCY	38.50	38.24
tblVehicleEF	MCY	4.4000e-003	7.9810e-003
tblVehicleEF	MCY	1.01	1.10
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	3.1500e-004	3.7400e-004
tblVehicleEF	MCY	9.6300e-004	9.1700e-004
tblVehicleEF	MDV	2.0090e-003	1.6230e-003

tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.27	0.28
tblVehicleEF	MDV	6.5340e-003	6.3140e-003
tblVehicleEF	MDV	1.3270e-003	1.3440e-003
tblVehicleEF	MDV	0.15	0.24
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.13	0.19
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.57	0.53
tblVehicleEF	MDV	0.29	0.30
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.75
tblVehicleEF	MDV	3.88	4.77
tblVehicleEF	MDV	481.27	435.18
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.21	0.26
tblVehicleEF	MDV	0.36	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003

tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.32	0.33
tblVehicleEF	MDV	6.1110e-003	5.6650e-003
tblVehicleEF	MDV	1.3430e-003	1.3610e-003
tblVehicleEF	MDV	0.09	0.07
tblVehicleEF	MDV	0.22	0.17
tblVehicleEF	MDV	0.09	0.06
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.70	0.58
tblVehicleEF	MDV	0.34	0.35
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.78	1.93
tblVehicleEF	MDV	3.77	4.58
tblVehicleEF	MDV	488.73	452.41
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.22	0.28
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MDV	2.0090e-003	1.6230e-003
tblVehicleEF	MDV	3.2670e-003	3.4170e-003
tblVehicleEF	MDV	0.09	0.11

tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.32	0.32
tblVehicleEF	MDV	6.2060e-003	5.8930e-003
tblVehicleEF	MDV	1.3410e-003	1.3570e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.60	0.51
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.96	2.31
tblVehicleEF	MDV	2.97	3.84
tblVehicleEF	MDV	514.18	484.36
tblVehicleEF	MDV	102.89	100.70
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.25
tblVehicleEF	MDV	0.33	0.41
tblVehicleEF	MDV	2.1720e-003	1.7550e-003
tblVehicleEF	MDV	3.5290e-003	3.6890e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004

tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.29	0.29
tblVehicleEF	MH	6.6400e-003	7.2630e-003
tblVehicleEF	MH	3.9500e-004	3.7800e-004
tblVehicleEF	MH	1.47	2.27
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.61	0.92
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.56	1.28
tblVehicleEF	MH	0.31	0.31
tblVehicleEF	MH	1.59	1.71
tblVehicleEF	MH	6.06	5.96
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.22	1.48
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003
tblVehicleEF	MH	0.02	0.03

tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.34	0.34
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1600e-004	4.0000e-004
tblVehicleEF	MH	1.07	1.06
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.30
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.68	1.33
tblVehicleEF	MH	0.36	0.36
tblVehicleEF	MH	1.60	1.72
tblVehicleEF	MH	6.03	6.25
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.25	1.50
tblVehicleEF	MH	0.68	0.72
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1450e-003	2.1800e-003

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	5.9600e-004	5.4200e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.34	0.35
tblVehicleEF	MH	6.6390e-003	7.2620e-003
tblVehicleEF	MH	4.1500e-004	4.0500e-004
tblVehicleEF	MH	0.95	1.08
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	1.59	1.27
tblVehicleEF	MH	0.36	0.37
tblVehicleEF	MH	1.64	1.78
tblVehicleEF	MH	4.81	4.66
tblVehicleEF	MH	602.71	659.95
tblVehicleEF	MH	27.93	26.66
tblVehicleEF	MH	2.1590e-003	3.3180e-003
tblVehicleEF	MH	1.15	1.37
tblVehicleEF	MH	0.66	0.68
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.5800e-003	8.7200e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	6.4900e-004	5.9000e-004
tblVehicleEF	MHD	8.6000e-003	0.01

tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.15	0.16
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.76	0.93
tblVehicleEF	MHD	6.4240e-003	6.4120e-003
tblVehicleEF	MHD	9.7500e-003	9.1290e-003
tblVehicleEF	MHD	7.5700e-004	7.9500e-004
tblVehicleEF	MHD	3.6600e-003	6.7370e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	2.2910e-003	3.9910e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.41	0.42
tblVehicleEF	MHD	0.81	0.99
tblVehicleEF	MHD	8.0500e-003	8.2900e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	2.60	2.60
tblVehicleEF	MHD	0.68	1.00
tblVehicleEF	MHD	14.78	18.03
tblVehicleEF	MHD	525.09	524.11
tblVehicleEF	MHD	914.53	853.20

tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.48	4.75
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tblVehicleEF	MHD	1.63	2.06
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.46	0.42
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tblVehicleEF	MHD	5.5660e-003	5.5560e-003
tblVehicleEF	MHD	9.7500e-003	9.1280e-003
tblVehicleEF	MHD	8.1000e-004	8.6900e-004
tblVehicleEF	MHD	2.5250e-003	2.1270e-003
tblVehicleEF	MHD	0.10	0.08
tblVehicleEF	MHD	0.20	0.20

tblVehicleEF	MHD	1.5230e-003	1.0850e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.94	1.17
tblVehicleEF	MHD	7.4570e-003	7.6800e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.89	1.89
tblVehicleEF	MHD	0.68	1.01
tblVehicleEF	MHD	14.44	17.02
tblVehicleEF	MHD	572.02	570.96
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.69	4.97
tblVehicleEF	MHD	1.64	1.75
tblVehicleEF	MHD	1.62	2.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8140e-003	2.7430e-003
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.2800e-003	1.2780e-003
tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.86	1.05
tblVehicleEF	MHD	6.0640e-003	6.0520e-003
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tblVehicleEF	MHD	2.3690e-003	3.1980e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.5020e-003	1.7480e-003
tblVehicleEF	MHD	0.11	0.09
tblVehicleEF	MHD	0.42	0.40
tblVehicleEF	MHD	0.92	1.13
tblVehicleEF	MHD	7.0270e-003	7.2370e-003
tblVehicleEF	MHD	3.5450e-003	2.4800e-003
tblVehicleEF	MHD	1.37	1.37
tblVehicleEF	MHD	0.69	1.03
tblVehicleEF	MHD	11.64	13.66
tblVehicleEF	MHD	606.00	604.88
tblVehicleEF	MHD	914.53	853.20
tblVehicleEF	MHD	49.60	49.67
tblVehicleEF	MHD	0.02	8.3650e-003
tblVehicleEF	MHD	4.84	5.13
tblVehicleEF	MHD	1.54	1.63
tblVehicleEF	MHD	1.56	1.95
tblVehicleEF	MHD	9.3480e-003	0.01

tblVehicleEF	MHD	0.11	0.11
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	1.3970e-003	1.3990e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.48	0.68
tblVehicleEF	OBUS	0.01	9.1640e-003
tblVehicleEF	OBUS	4.9000e-004	5.3500e-004
tblVehicleEF	OBUS	1.4470e-003	2.5660e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.8300e-004	1.2150e-003
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.32	0.29
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.04
tblVehicleEF	OBUS	8.99	12.20
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004

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tblVehicleEF	OBUS	1.25	1.96
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.55	0.78
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.2200e-004	5.7900e-004
tblVehicleEF	OBUS	9.8600e-004	9.3200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.2400e-004	4.0600e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.35	0.30
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.97	2.05
tblVehicleEF	OBUS	8.80	12.20
tblVehicleEF	OBUS	1,017.03	845.37

tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
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tblVehicleEF	OBUS	1.24	1.95
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	2.6450e-003	2.4070e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	5.3400e-004	5.0300e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.12	0.09
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.54	0.77
tblVehicleEF	OBUS	0.01	9.1630e-003
tblVehicleEF	OBUS	5.1900e-004	5.7900e-004
tblVehicleEF	OBUS	9.6600e-004	1.2530e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	5.3100e-004	5.4400e-004
tblVehicleEF	OBUS	0.14	0.11
tblVehicleEF	OBUS	0.33	0.29
tblVehicleEF	OBUS	0.58	0.83
tblVehicleEF	OBUS	2.7960e-003	1.2730e-003
tblVehicleEF	OBUS	0.98	2.09

tblVehicleEF	OBUS	7.12	9.57
tblVehicleEF	OBUS	1,017.03	845.37
tblVehicleEF	OBUS	32.78	32.73
tblVehicleEF	OBUS	1.9410e-003	9.8300e-004
tblVehicleEF	OBUS	2.14	1.79
tblVehicleEF	OBUS	1.19	1.87
tblVehicleEF	OBUS	0.10	0.07
tblVehicleEF	OBUS	0.01	9.6290e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.7800e-004	5.4200e-004
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.30	0.40
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.49	1.52
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6900e-003	1.6820e-003
tblVehicleEF	SBUS	0.05	0.06
tblVehicleEF	SBUS	0.21	0.16
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.34	0.44
tblVehicleEF	SBUS	1.79	0.96
tblVehicleEF	SBUS	1.59	1.63

tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.94	2.78
tblVehicleEF	SBUS	27.94	26.74
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.92	7.33
tblVehicleEF	SBUS	2.04	2.05
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.29	0.38
tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.69	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7730e-003	1.7670e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.25	0.16
tblVehicleEF	SBUS	0.02	9.0160e-003
tblVehicleEF	SBUS	0.33	0.42

tblVehicleEF	SBUS	2.30	1.16
tblVehicleEF	SBUS	1.81	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	2.96	2.80
tblVehicleEF	SBUS	27.16	26.89
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	7.03	7.39
tblVehicleEF	SBUS	2.02	2.00
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	SBUS	0.24	0.25
tblVehicleEF	SBUS	2.7470e-003	2.7820e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4060e-003	3.0100e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.30	0.38
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.66	1.77
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7600e-003	1.7700e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.21	0.13

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.42
tblVehicleEF	SBUS	1.95	0.99
tblVehicleEF	SBUS	1.77	1.89
tblVehicleEF	SBUS	5.5860e-003	5.8420e-003
tblVehicleEF	SBUS	3.03	2.89
tblVehicleEF	SBUS	23.01	21.78
tblVehicleEF	SBUS	1,037.25	1,054.17
tblVehicleEF	SBUS	115.53	116.44
tblVehicleEF	SBUS	5.7400e-004	5.2200e-004
tblVehicleEF	SBUS	6.62	6.89
tblVehicleEF	SBUS	1.91	1.86
tblVehicleEF	SBUS	0.57	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	3.6960e-003	3.3660e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	8.0610e-003	0.04
tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.73	1.18
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.65	2.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.5400e-004	1.0870e-003
tblVehicleEF	UBUS	8.0610e-003	0.04

tblVehicleEF	UBUS	0.10	0.26
tblVehicleEF	UBUS	4.5490e-003	0.02
tblVehicleEF	UBUS	0.81	1.28
tblVehicleEF	UBUS	0.73	1.20
tblVehicleEF	UBUS	0.70	2.17
tblVehicleEF	UBUS	4.37	10.39
tblVehicleEF	UBUS	9.99	30.53
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.70	6.61
tblVehicleEF	UBUS	1.18	3.92
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21
tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.72	1.15
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.73	2.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8300e-004	1.1840e-003
tblVehicleEF	UBUS	6.2690e-003	0.01
tblVehicleEF	UBUS	0.12	0.21

tblVehicleEF	UBUS	3.2440e-003	4.9920e-003
tblVehicleEF	UBUS	0.80	1.24
tblVehicleEF	UBUS	0.92	1.36
tblVehicleEF	UBUS	0.78	2.47
tblVehicleEF	UBUS	4.38	10.38
tblVehicleEF	UBUS	9.86	30.27
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.91	6.63
tblVehicleEF	UBUS	1.17	3.88
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleEF	UBUS	0.29	0.22
tblVehicleEF	UBUS	0.16	0.08
tblVehicleEF	UBUS	5.6400e-004	1.3260e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003
tblVehicleEF	UBUS	0.72	1.14
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.73	2.27
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8100e-004	1.1790e-003
tblVehicleEF	UBUS	5.4570e-003	0.02
tblVehicleEF	UBUS	0.09	0.19
tblVehicleEF	UBUS	3.0100e-003	7.6200e-003

tblVehicleEF	UBUS	0.80	1.23
tblVehicleEF	UBUS	0.78	1.18
tblVehicleEF	UBUS	0.78	2.43
tblVehicleEF	UBUS	4.44	10.90
tblVehicleEF	UBUS	8.28	24.94
tblVehicleEF	UBUS	1,917.54	1,511.51
tblVehicleEF	UBUS	27.32	56.96
tblVehicleEF	UBUS	2.4830e-003	1.4010e-003
tblVehicleEF	UBUS	10.28	6.06
tblVehicleEF	UBUS	1.12	3.67
tblVehicleEF	UBUS	0.68	0.50
tblVehicleEF	UBUS	0.18	0.08
tblVehicleEF	UBUS	6.0900e-004	1.5580e-003
tblVehicleTrips	CC_TL	8.40	7.30
tblVehicleTrips	CNW_TL	6.90	7.30
tblVehicleTrips	CW_TL	16.60	9.50

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					
2018	0.0771	0.6993	0.7997	1.9300e-003	0.0782	0.0366	0.1148	0.0210	0.0351	0.0561	0.0000	156.0014	156.0014	0.0143	0.0000	156.3026
2019	0.8753	8.6433	7.2364	0.0139	0.2977	0.4751	0.7728	0.0797	0.4431	0.5229	0.0000	1,166.7445	1,166.7445	0.2412	0.0000	1,171.8098
2020	0.1336	1.3106	1.1689	2.2900e-003	0.0491	0.0708	0.1199	0.0132	0.0660	0.0791	0.0000	188.2845	188.2845	0.0396	0.0000	189.1156
Total	1.0859	10.6532	9.2050	0.0181	0.4250	0.5824	1.0075	0.1139	0.5442	0.6580	0.0000	1,511.0304	1,511.0304	0.2951	0.0000	1,517.2281

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0329	0.4948	0.8386	1.9300e-003	0.0782	0.0253	0.1035	0.0210	0.0251	0.0461	0.0000	156.0013	156.0013	0.0143	0.0000	156.3025
2019	0.2812	5.1162	7.8417	0.0139	0.2977	0.2737	0.5715	0.0797	0.2731	0.3528	0.0000	1,166.7435	1,166.7435	0.2412	0.0000	1,171.8088
2020	0.0459	0.8364	1.2824	2.2900e-003	0.0491	0.0451	0.0942	0.0132	0.0450	0.0582	0.0000	188.2844	188.2844	0.0396	0.0000	189.1155
Total	0.3600	6.4473	9.9627	0.0181	0.4250	0.3441	0.7692	0.1139	0.3432	0.4571	0.0000	1,511.0291	1,511.0291	0.2951	0.0000	1,517.2269

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site prep	Site Preparation	10/1/2018	1/1/2019	5	67	
2	Building Construction	Building Construction	1/2/2019	2/28/2020	5	303	

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 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site prep	Generator Sets	2	8.00	84	0.74
Site prep	Other Construction Equipment	1	8.00	205	0.50
Site prep	Other Construction Equipment	1	8.00	171	0.42
Site prep	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Air Compressors	2	8.00	78	0.48
Building Construction	Cranes	2	8.00	226	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Other Construction Equipment	2	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Trenchers	1	8.00	80	0.50

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site prep	5	54.00	8.00	0.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	54.00	6.00	2.00	50.00	50.00	100.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site prep - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0604	0.5570	0.4608	7.4000e-004		0.0339	0.0339		0.0326	0.0326	0.0000	65.1722	65.1722	0.0114	0.0000	65.4109
Total	0.0604	0.5570	0.4608	7.4000e-004	0.0000	0.0339	0.0339	0.0000	0.0326	0.0326	0.0000	65.1722	65.1722	0.0114	0.0000	65.4109

3.2 Site prep - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.1148	0.0606	3.8000e-004	0.0117	2.2100e-003	0.0140	3.3500e-003	2.0400e-003	5.3800e-003	0.0000	33.9976	33.9976	2.1000e-004	0.0000	34.0020	
Worker	0.0102	0.0275	0.2783	8.0000e-004	0.0665	5.0000e-004	0.0670	0.0176	4.6000e-004	0.0181	0.0000	56.8316	56.8316	2.7700e-003	0.0000	56.8897	
Total	0.0167	0.1423	0.3389	1.1800e-003	0.0782	2.7100e-003	0.0809	0.0210	2.5000e-003	0.0235	0.0000	90.8292	90.8292	2.9800e-003	0.0000	90.8917	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0162	0.3525	0.4997	7.4000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	65.1721	65.1721	0.0114	0.0000	65.4108	
Total	0.0162	0.3525	0.4997	7.4000e-004	0.0000	0.0226	0.0226	0.0000	0.0226	0.0226	0.0000	65.1721	65.1721	0.0114	0.0000	65.4108	

3.2 Site prep - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.1148	0.0606	3.8000e-004	0.0117	2.2100e-003	0.0140	3.3500e-003	2.0400e-003	5.3800e-003	0.0000	33.9976	33.9976	2.1000e-004	0.0000	34.0020
Worker	0.0102	0.0275	0.2783	8.0000e-004	0.0665	5.0000e-004	0.0670	0.0176	4.6000e-004	0.0181	0.0000	56.8316	56.8316	2.7700e-003	0.0000	56.8897
Total	0.0167	0.1423	0.3389	1.1800e-003	0.0782	2.7100e-003	0.0809	0.0210	2.5000e-003	0.0235	0.0000	90.8292	90.8292	2.9800e-003	0.0000	90.8917

3.2 Site prep - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-004	7.7500e-003	6.9400e-003	1.0000e-005		4.5000e-004	4.5000e-004		4.3000e-004	4.3000e-004	0.0000	0.9808	0.9808	1.7000e-004	0.0000	0.9843
Total	8.2000e-004	7.7500e-003	6.9400e-003	1.0000e-005	0.0000	4.5000e-004	4.5000e-004	0.0000	4.3000e-004	4.3000e-004	0.0000	0.9808	0.9808	1.7000e-004	0.0000	0.9843

3.2 Site prep - 2019

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	0.0000
Vendor	9.0000e-005	1.5900e-003	8.8000e-004	1.0000e-005	1.8000e-004	3.0000e-005	2.1000e-004	5.0000e-005	3.0000e-005	8.0000e-005	0.0000	0.5050	0.5050	0.0000	0.0000	0.5051	
Worker	1.4000e-004	3.8000e-004	3.8700e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8283	0.8283	4.0000e-005	0.0000	0.8291	
Total	2.3000e-004	1.9700e-003	4.7500e-003	2.0000e-005	1.1900e-003	4.0000e-005	1.2200e-003	3.2000e-004	4.0000e-005	3.5000e-004	0.0000	1.3333	1.3333	4.0000e-005	0.0000	1.3342	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5000e-004	5.3400e-003	7.5700e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	0.9808	0.9808	1.7000e-004	0.0000	0.9843	
Total	2.5000e-004	5.3400e-003	7.5700e-003	1.0000e-005	0.0000	3.4000e-004	3.4000e-004	0.0000	3.4000e-004	3.4000e-004	0.0000	0.9808	0.9808	1.7000e-004	0.0000	0.9843	

3.2 Site prep - 2019

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	9.0000e-005	1.5900e-003	8.8000e-004	1.0000e-005	1.8000e-004	3.0000e-005	2.1000e-004	5.0000e-005	3.0000e-005	8.0000e-005	0.0000	0.5050	0.5050	0.0000	0.0000	0.5051
Worker	1.4000e-004	3.8000e-004	3.8700e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8283	0.8283	4.0000e-005	0.0000	0.8291
Total	2.3000e-004	1.9700e-003	4.7500e-003	2.0000e-005	1.1900e-003	4.0000e-005	1.2200e-003	3.2000e-004	4.0000e-005	3.5000e-004	0.0000	1.3333	1.3333	4.0000e-005	0.0000	1.3342

3.3 Building Construction - 2019

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	0.8199	8.2235	6.0473	9.5500e-003		0.4664	0.4664		0.4352	0.4352	0.0000	850.3293	850.3293	0.2302	0.0000	855.1629
Total	0.8199	8.2235	6.0473	9.5500e-003		0.4664	0.4664		0.4352	0.4352	0.0000	850.3293	850.3293	0.2302	0.0000	855.1629

3.3 Building Construction - 2019

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	5.0000e-005	9.2000e-004	4.3000e-004	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.2689	0.2689	0.0000	0.0000	0.2690
Vendor	0.0184	0.3095	0.1715	1.1300e-003	0.0347	6.2100e-003	0.0409	9.8900e-003	5.7100e-003	0.0156	0.0000	98.4759	98.4759	6.0000e-004	0.0000	98.4884
Worker	0.0359	0.0996	1.0055	3.1600e-003	0.2618	1.9100e-003	0.2637	0.0695	1.7700e-003	0.0713	0.0000	215.3564	215.3564	0.0102	0.0000	215.5711
Total	0.0543	0.4100	1.1774	4.2900e-003	0.2966	8.1400e-003	0.3047	0.0794	7.5000e-003	0.0869	0.0000	314.1012	314.1012	0.0108	0.0000	314.3285

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	0.2265	4.6989	6.6520	9.5500e-003		0.2652	0.2652		0.2652	0.2652	0.0000	850.3283	850.3283	0.2302	0.0000	855.1619
Total	0.2265	4.6989	6.6520	9.5500e-003		0.2652	0.2652		0.2652	0.2652	0.0000	850.3283	850.3283	0.2302	0.0000	855.1619

3.3 Building Construction - 2019

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	5.0000e-005	9.2000e-004	4.3000e-004	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.2689	0.2689	0.0000	0.0000	0.2690
Vendor	0.0184	0.3095	0.1715	1.1300e-003	0.0347	6.2100e-003	0.0409	9.8900e-003	5.7100e-003	0.0156	0.0000	98.4759	98.4759	6.0000e-004	0.0000	98.4884
Worker	0.0359	0.0996	1.0055	3.1600e-003	0.2618	1.9100e-003	0.2637	0.0695	1.7700e-003	0.0713	0.0000	215.3564	215.3564	0.0102	0.0000	215.5711
Total	0.0543	0.4100	1.1774	4.2900e-003	0.2966	8.1400e-003	0.3047	0.0794	7.5000e-003	0.0869	0.0000	314.1012	314.1012	0.0108	0.0000	314.3285

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1252	1.2513	0.9867	1.5800e-003		0.0695	0.0695		0.0648	0.0648	0.0000	138.1533	138.1533	0.0379	0.0000	138.9487
Total	0.1252	1.2513	0.9867	1.5800e-003		0.0695	0.0695		0.0648	0.0648	0.0000	138.1533	138.1533	0.0379	0.0000	138.9487

3.3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0435	0.0435	0.0000	0.0000	0.0435
Vendor	2.8900e-003	0.0439	0.0272	1.9000e-004	5.7400e-003	9.4000e-004	6.6800e-003	1.6400e-003	8.7000e-004	2.5000e-003	0.0000	15.9181	15.9181	1.0000e-004	0.0000	15.9201
Worker	5.5000e-003	0.0153	0.1549	5.2000e-004	0.0433	3.1000e-004	0.0436	0.0115	2.9000e-004	0.0118	0.0000	34.1697	34.1697	1.6000e-003	0.0000	34.2034
Total	8.4000e-003	0.0593	0.1822	7.1000e-004	0.0491	1.2500e-003	0.0504	0.0132	1.1600e-003	0.0143	0.0000	50.1312	50.1312	1.7000e-003	0.0000	50.1669

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	0.0375	0.7771	1.1001	1.5800e-003		0.0439	0.0439		0.0439	0.0439	0.0000	138.1531	138.1531	0.0379	0.0000	138.9486
Total	0.0375	0.7771	1.1001	1.5800e-003		0.0439	0.0439		0.0439	0.0439	0.0000	138.1531	138.1531	0.0379	0.0000	138.9486

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.445034	0.066222	0.176252	0.158614	0.043833	0.007398	0.008365	0.080076	0.000983	0.001401	0.007981	0.000522	0.003318

5.0 Energy Detail

~~5.1 Fleet Mix~~

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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		0.0000	0.0000	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

	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			
User Defined Industrial	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			
User Defined Industrial	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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

**APPENDIX C – OPERATIONAL EMISSIONS AND HEALTH RISK
ASSESSMENT**

Gas Turbine Emissions Screening Modeling - CEQA/NSR/LST/HRA

Client Name: Sapphos Environmental, Inc.

Client Contact: Noah Albers

Contact Phone: (626) 683-3547 ext. 156
Contact Fax: (626) 683-3548
Contact E-mail: Nalbers@sapphosenvironmental.com

Mailing Address: Sapphos Environmental, Inc.
430 North Halstead Street
Pasadena, CA 91107

Facility Address: Southern California Gas Company
Adelanto Compressor Station
Koala/Rancho Roads, Adelanto, CA 92301

Latitude, North: 34.556995°
Longitude, West: -117.450384°
Elevation, feet ASL: 2,957

NAICS Code: 221210 Natural Gas Distribution
Facility ID: MDAQMD FOP 3100066

Author: Bradford Boyes
Peer Reviewer: Peter Moore
Date: 6/15/2015

Other Notes: Alternative A: 4 Gas Turbine Compressor Sets (9,000 BHP each)

Estimated Criteria Emissions Summary (PTE)

Criteria Pollutants	lbs/hr	lbs/day	tons/yr
CO	5.1	117.2	25.3
NO _x	11.2	256.7	50.7
VOC	1.0	22.3	6.3
Transitional CO	21.2	21.2	—
Transitional NO _x	20.9	20.9	—
Transitional VOC	12.1	12.1	—
SO _x	0.2	5.9	1.1
PM ₁₀	2.5	60.0	10.9

Sources: Solar 2015, CARB 2014, SCAQMD 2014, EPA 2000

Estimated Greenhouse Gases Emissions Summary (PTE)

Greenhouse Gases	lbs/hr	lbs/day	MT/yr
CO ₂	44,306	1,063,337	176,049
CH ₄	0.8	20.0	3.3
N ₂ O	0.1	2.0	0.3
CO ₂ e	44,351	1,064,435	176,231

Sources: Solar 2015, 40 CFR 98

Estimated Toxic Air Contaminants Emissions Summary (PTE)

Toxic Air Contaminants	lbs/hr	lbs/day	lbs/yr
Ammonia (as NH ₃ slip)	2.5781	61.87	22,584
Acetaldehyde	0.0012	0.03	10.6
Acrolein	0.0002	0.00	1.7
Benzene	0.0004	0.01	3.2
Butadiene (1,3-)	0.0000	0.00	0.1
Ethylbenzene	0.0010	0.02	8.5
Formaldehyde	0.0215	0.52	188.5
Naphthalene	0.0000	0.00	0.3
PAHs (excl. Naph.)	0.0000	0.00	0.2
Propylene oxide	0.0009	0.02	7.7
Toluene	0.0039	0.09	34.5
Xylene	0.0019	0.05	17.0

Sources: Solar 2015, EPA 2000

CEQA Significance Thresholds Evaluation - Station Construction

Pollutant / Risk	Maximum	Threshold	Significance	Annual	Threshold	Significance
	lbs/day	lbs/day		tons/yr*	tons/yr	
CO	60.9	548	LTS	8.0	100	LTS
NO _x	39.0	137	LTS	5.1	25	LTS
VOC	2.10	137	LTS	0.28	25	LTS
SO _x	0.10	137	LTS	0.01	25	LTS
Fugitive Dust PM ₁₀	2.40	82	LTS	0.30	15	LTS
Exhaust PM ₁₀	2.10	82	LTS	0.28	15	LTS
Total PM ₁₀	4.40	82	LTS	0.57	15	LTS
Fugitive Dust PM _{2.5}	0.65	82	LTS	0.08	15	LTS
Exhaust PM _{2.5}	2.10	82	LTS	0.27	15	LTS
Total PM _{2.5}	2.73	82	LTS	0.35	15	LTS
CO ₂ e	9,666	548,000	LTS	1,150	100,000	LTS

Sources: MDAQMD 2011, CalEEMod 2013

Notes:

LTS - Less Than Significant

LTSM - Less Than Significant with Mitigation Incorporated

PS - Potentially Significant

* for shortest 18-month construction period

CEQA Significance Thresholds Evaluation - Station Operation (PTE)

Pollutant / Risk	Maximum	Threshold	Significance	Annual	Threshold	Significance
	lbs/day	lbs/day		tons/yr	tons/yr	
CO	138.4	548	LTS	25.3	100	LTS
NO _x	277.6	137	PS/LTS	50.7	25	PS/LTS
VOC	34.5	137	LTS	6.3	25	LTS
SO _x	5.9	137	LTS	1.1	25	LTS
PM ₁₀	60.0	82	LTS	10.9	15	LTS
PM _{2.5}	59.4	82	LTS	10.8	15	LTS
CO _{2e}	1,064,435	548,000	PS/LTS	194,259	100,000	PS/LTS

Sources: MDAQMD 2011, SCAQMD 2006

Notes:

LTS - Less Than Significant

LTSM - Less Than Significant with Mitigation Incorporated or Less Than Significant with offsets/allowances implemented per regulatory requirements (i.e., NSR, Cap-and-Trade)

PS - Potentially Significant

Ambient Air Quality Impact for Station Operation - Victorville 2010-2014 (5-year average maxima)

Impact Parameter	Applicable Standard	Ambient Background	Project Contribution	Cumulative Conc.	AAQS Threshold	Significance
		ug/m ³	ug/m ³	ug/m ³	ug/m ³	
1-hour CO	State	5,814	21	5,835	22,900	LTS
	Federal	5,814	21	5,835	40,100	LTS
1-hour NO ₂	State	150.1	25.1	175.2	338	LTS
	Federal	150.1	25.1	175.2	188	LTS
1-hour SO ₂	State	42.0	0.6	42.6	655	LTS
	Federal	42.0	0.6	42.6	196	LTS
24-hour SO ₂	State	11.0	0.3	11.4	105	LTS
	Federal	11.0	0.3	11.4	367	LTS
24-hour PM ₁₀	State	46.2	3.5	49.6	50	LTS
	Federal	105.7	3.5	109.1	150	LTS
24-hour PM _{2.5}	State (federal)	17.2	3.4	20.6	35	LTS
	Federal	16.4	3.4	19.9	35	LTS

Sources: SCAQMD 2006, SCAQMD 2008b, EPA 1992, EPA 2011, CARB 2013, CARB 2015a,b

Existing Equipment PTE and Difference with Repower PTE

Pollutant	EF	Heat Input	Existing Equipment Potential to Emit			Δ Repower
	lb/mmBTU	mmBTU/hr	lbs/hr	lbs/day	tons/yr*	tons/yr*
CO	0.0820	110	9.02	216.48	39.51	-14.24
NO _x	0.3315	110	36.47	875.22	159.73	-109.06
VOC	0.0021	110	0.23	5.54	1.01	5.28
SO _x	0.0007	110	0.07	1.72	0.31	0.77
PM ₁₀	0.0124	110	1.37	32.85	5.99	4.95
CO ₂ e	117.10	110	12,881	309,136	51,181	125,050

Source: FOP 3100066, EPA 2000, 40 CFR 98

* CO₂e in metric tonnes per year (MT/yr)

Screening Health Risk Assessment - Station Construction (DPM)

Time and Age Weighted Toxic Air Contaminants Risks	AERSCREEN/HARP2 Screening Results			
	risk	per million	threshold	significance
2-year Residential MICR - Multipathway	3.3E-06	3.30	10	LTS
2-year Worker MICR	7.6E-07	0.76	10	LTS
2-year School MICR	2.2E-07	0.22	10	LTS
Residential HIC	0.012	—	1	LTS
Worker HIC	0.176	—	1	LTS
School HIC	0.008	—	1	LTS
Residential HIA	NA	—	1	LTS
Worker HIA	NA	—	1	LTS
School HIA	NA	—	1	LTS

Sources: CalEEMod 2013, MDAQMD 2011, EPA 1992, EPA 2011, CARB 2015c

Notes:

LTS - Less Than Significant

LTSM - Less Than Significant with Mitigation Incorporated

PS - Potentially Significant

NA - Not applicable

MICR - Maximum Individual Cancer Risk

HIC - Chronic Hazard Index

HIA - Acute Hazard Index

Mandatory minimum multipathway: inhalation, soil ingestion, dermal, mother's milk

Annual emission rates allocated over maximum 2-year exposure times

Screening Health Risk Assessment - Station Operation (worst case)

Time and Age Weighted Toxic Air Contaminants Risks	AERSCREEN/HARP2 Screening Results			
	risk	per million	threshold	significance
30-year Residential MICR - Multipathway	8.4E-08	0.084	10	LTS
25-year Worker MICR	8.5E-09	0.008	10	LTS
4-year School MICR	2.4E-09	0.002	10	LTS
Residential HIC	0.178	—	1	LTS
Worker HIC	0.320	—	1	LTS
School HIC	0.143	—	1	LTS
Residential HIA	0.001	—	1	LTS
Worker HIA	0.003	—	1	LTS
School HIA	0.001	—	1	LTS

Sources: MDAQMD 2011, EPA 2000, EPA 1992, EPA 2011, CARB 2015c

Notes:

LTS - Less Than Significant

LTSM - Less Than Significant with Mitigation Incorporated

PS - Potentially Significant

NA - Not applicable

MICR - Maximum Individual Cancer Risk

HIC - Chronic Hazard Index

HIA - Acute Hazard Index

Mandatory minimum multipathway: inhalation, soil ingestion, dermal, mother's milk

Assumes year-round operation (8760 hrs/yr) of point source

Gas Turbine Performance Estimates - ISO Standard & Site PTE

Input Parameters	Units	ISO Standard	Hot Day Site	Cold Day Site
Inlet Air Temperature	°F	59	120	20
	°C	15	49	-7
Relative Humidity	percent	60	30	30
Elevation	feet ASL	0	3,000	3,000
Barometric Pressure	psia	14.696	13.168	13.168
	mm Hg	760	681	681
Heat Input LHV	mmBTU/hr	78.64	67.26	87.20
Fuel Gas Lower Heating Value	BTU/scf	940.0	940.0	940.0
Fuel Gas Flowrate	mcf/hr	83.66	71.55	92.77
Fuel Gas Higher Heating Value	BTU/scf	1020.7	1020.7	1020.7
Heat Input HHV	mmBTU/hr	85.40	73.04	94.69

Output Parameters	Units	ISO Standard	Hot Day Site	Cold Day Site
Power Output	BHP	10,915	8,446	12,177
	KW	8,139	6,299	9,080
Heat Rate	BTU/BHP-hr	7,205	7,963	7,161
Thermal Efficiency	percent	35.3%	32.0%	35.5%
Turbine Exhaust Temperature	°F	945	1052	952
	°C	507	566	511
Stack Exit Temperature	°R	1305	1412	1312
	°K	725	784	729
Stack Gas Flowrate	dscf/hr (HHV)	2,634,875	2,253,463	2,921,561
	wacf/hr (HHV)	7,932,933	8,190,704	9,872,091
Stack Height	feet	40	40	40
	meters	12.19	12.19	12.19
Stack Diameter	feet	6.00	6.00	6.00
	meters	1.83	1.83	1.83
Stack Exit Velocity	ft/min	4,676	4,828	5,819
	m/sec	23.8	24.5	29.6

Gas Turbine Performance Estimates - ISO Standard & Site PTE

Pre-Control Emissions	Units	ISO Standard	Hot Day Site	Cold Day Site
NO _x (DLN)	ppmv @ 15% O ₂	15	15	15
	lbs/mmBTU (LHV)	0.060	0.060	0.060
	lbs/hr (LHV)	4.719	4.036	5.232
	lbs/mmBTU (HHV)	0.055	0.055	0.055
	lbs/hr (HHV)	4.719	4.036	5.232
CO (DLN)	ppmv @ 15% O ₂	25	25	25
	lbs/mmBTU (LHV)	0.061	0.061	0.061
	lbs/hr (LHV)	4.80	4.10	5.32
	lbs/mmBTU (HHV)	0.056	0.056	0.056
	lbs/hr (HHV)	4.79	4.09	5.31
VOC (DLN)	ppmv @ 15% O ₂	25	25	25
	lbs/mmBTU (LHV)	0.035	0.035	0.035
	lbs/hr (LHV)	2.75	2.35	3.05
	lbs/mmBTU (HHV)	0.032	0.032	0.032
	lbs/hr (HHV)	2.74	2.34	3.03

Sources: Solar 2015, EPA 2000

Gas Turbine Emissions Calculations - 4 x 9,000 BHP

Fuel Gas Flowrate	0.37106	mmcf/hr
Fuel Gas HHV	1020.7	BTU/scf
Heat Input HHV	378.76	mmBTU/hr
Daily Operation	24	hrs/day
Daily Transitional Operation	1	hr/day
Annual Operation	8760	hrs/yr
Annual Transitional Operation	365	hrs/yr
Organic TAC Control Efficiency	92%	percent

Note: Organic TAC control efficiency by OXCAT = 1 - (controlled VOC / peak PVOC)

Emittent	Code	Reference/Remarks	Emission Factors			Estimated Emissions				Q _{hr}	Q _{ann}
			BACT	Units	lbs/mmBTU	lbs/hr	lbs/day	lbs/yr	tons/yr*	g/sec	g/sec
CO	CO	BACT for gas compression	6	ppmv @ 15% O ₂	0.0135	5.10	117.20	42,777	21.39	0.642	0.615
NO _x	NOX	BACT for gas compression	8	ppmv @ 15% O ₂	0.0295	11.16	256.72	93,701	46.85	1.406	1.348
VOC	VOC	BACT for gas compression	2	ppmv @ 15% O ₂	0.0026	0.97	22.32	8,148	4.07	0.122	0.117
Peak CO (transitional)	PCO	Vendor Specification	25	ppmv @ 15% O ₂	0.0561	21.23	21.23	7,749	3.87	1.150	0.111
Peak NO _x (transitional)	PNOX	Vendor Specification	15	ppmv @ 15% O ₂	0.0553	20.93	20.93	7,639	3.82	1.714	0.110
Peak VOC (transitional)	PVOC	Vendor Specification	25	ppmv @ 15% O ₂	0.0320	12.13	12.13	4,428	2.21	0.474	0.064
SO _x	SOX	4 ppmv S PNG (PUC spec)	0.6644	lb/mmcf PNG	0.00065	0.25	5.92	2,160	1.08	0.031	0.031
PM ₁₀	PM10	AP-42 Table 3.1-2a	6.7369	lb/mmcf PNG	0.0066	2.50	60.00	21,898	10.95	0.315	0.315
PM ₁₀ (NH ₄) ₂ SO ₄	SO4	SCAQMD 2004 (5% conversion)	0.0685	lb/mmcf PNG	0.00007	0.03	0.61	223	0.11	0.003	0.003
CO ₂	CO2	40 CFR 98 Table C-1	53.06	kg/mmBTU	116.98	44,306	1,063,337	388,117,850	176,049	—	—
CH ₄	CH4	40 CFR 98 Table C-2	0.001	kg/mmBTU	0.0022	0.84	20.04	7,315	3.32	—	—
N ₂ O	N2O	40 CFR 98 Table C-2	0.0001	kg/mmBTU	0.0002	0.08	2.00	731	0.33	—	—
CO ₂ e	CO2E	40 CFR 98 Table A-1	53.11	kg/mmBTU	117.10	44,351	1,064,435	388,518,695	176,231	—	—
aAmmonia (as NH ₃ slip)	7664417	BACT (SCR)	5	ppmv @ 15% O ₂	6.81E-03	2.58	61.87	22,584	—	3.25E-01	3.25E-01
Acetaldehyde	75070	AP-42 Table 3.1-3	4.0E-05	lb/mmBTU	3.20E-06	0.00	0.03	11	—	1.53E-04	1.53E-04
Acrolein	107028	AP-42 Table 3.1-3	6.4E-06	lb/mmBTU	5.12E-07	0.00	0.00	2	—	2.44E-05	2.44E-05
Benzene	71432	AP-42 Table 3.1-3	1.2E-05	lb/mmBTU	9.60E-07	0.00	0.01	3	—	4.58E-05	4.58E-05
Butadiene (1,3-)	106990	AP-42 Table 3.1-3	4.3E-07	lb/mmBTU	3.44E-08	0.00	0.00	0	—	1.64E-06	1.64E-06
Ethylbenzene	100414	AP-42 Table 3.1-3	3.2E-05	lb/mmBTU	2.56E-06	0.00	0.02	8	—	1.22E-04	1.22E-04
Formaldehyde	50000	AP-42 Table 3.1-3	7.1E-04	lb/mmBTU	5.68E-05	0.02	0.52	188	—	2.71E-03	2.71E-03
Naphthalene	91203	AP-42 Table 3.1-3	1.3E-06	lb/mmBTU	1.04E-07	0.00	0.00	0	—	4.96E-06	4.96E-06
PAHs (excl. Naph.)	1151	AP-42 Table 3.1-3	9.0E-07	lb/mmBTU	7.20E-08	0.00	0.00	0	—	3.44E-06	3.44E-06
Propylene oxide	75569	AP-42 Table 3.1-3	2.9E-05	lb/mmBTU	2.32E-06	0.00	0.02	8	—	1.11E-04	1.11E-04
Toluene	108883	AP-42 Table 3.1-3	1.3E-04	lb/mmBTU	1.04E-05	0.00	0.09	35	—	4.96E-04	4.96E-04
Xylene	1330207	AP-42 Table 3.1-3	6.4E-05	lb/mmBTU	5.12E-06	0.00	0.05	17	—	2.44E-04	2.44E-04
DPM (as exhaust PM ₁₀)	9901	CalEEMod (construction only)	—	—	—	0.10	2.43	420	0.21	1.28E-02	6.05E-03

Sources: Solar 2015, CARB 2014, SCAQMD 2014, EPA 2000, 40 CFR 98, CalEEMod 2013

* GHGs in metric tonnes per year (MT/yr)

EPA Equation 2.1 - Merged Stack Parameter Determination

Stack IDs	Height	Diameter	Velocity	Area	Flowrate	Temp	Mass Rate	Merge
	H _s	D _s	V _s	A _s	Q _s	T _s	W _s	M
	m	m	m/s	m ²	m ³ /s	°K	g/s	°K-m ⁴ /g
Unit 1	12.19	1.83	29.56	2.63	77.65	729	3.15E-01	2,191,027
Unit 2	12.19	1.83	29.56	2.63	77.65	729	3.15E-01	2,191,027
Unit 3	12.19	1.83	29.56	2.63	77.65	729	3.15E-01	2,191,027
Unit 4	12.19	1.83	29.56	2.63	77.65	729	3.15E-01	2,191,027

Source: Screening Procedures for Estimating the Air Quality Impact of Stationary Sources, Revised, EPA-454/R-92-019, USEPA, October 1992 (EPA 1992)

Equation 2.1 (notation clarified for engineering): $M = H_s Q_s T_s / W_s$

M = merged stack parameter, °K-m⁴/g

H_s = height of stack, m

D_s = diameter of stack, m

V_s = exit velocity of stack, m/sec

A_s = cross-sectional area of stack, m² = 3.1416 (D_s)² / 4

Q_s = volumetric flowrate of stack, m³/sec = V_s A_s

T_s = temperature of stack, °K

W_s = mass emission rate, g/s (used fixed EF pollutant, e.g., PM₁₀ or SO_x)

Stack with lowest value of M is deemed "representative" through which all emissions pass.

AERSCREEN 10 Sensitive Receptors List

Line No.	Compass Quadrant	Receptor Description	Distance to Receptor		AERSCREEN Outputs	
			feet	meters	Alternative A	Construction
					(X/Q) _{hr} ug/m ³	(X/Q) _{hr} ug/m ³
1	N	Industrial Area (worker)	820	250	9.682	242.400
2	SW	Adelanto Detention Center (worker)	3,360	1,025	8.061	37.954
3	NE	Residential Developments	6,310	1,925	5.391	15.938
4	NE	George Visual & Performing Arts Magnet Middle School (K-8)	10,000	3,050	3.737	8.993
5	SE	Adelanto High School (9-12)	8,360	2,550	4.330	11.008
6	NE	Westside Park Elementary School (K-5)	12,300	3,750	3.133	7.338
7	SE	Residential Developments	11,400	3,475	3.346	7.882
8	SE	Victoria Magathan Elementary School (K-5)	11,810	3,600	3.246	7.622
9	SE	Don Bradach Elementary School (K-5)	12,380	3,775	3.115	7.294

Source: Google Earth

Units of X/Q are (ug/m³)/(g/s)

Highest Residential X/Q	5.391	15.938
Distance, meters	1,925	1,925

Highest Worker X/Q	9.682	242.400
Distance, meters	250	250

Highest School X/Q	4.330	11.008
Distance, meters	2,550	2,550

LST Project Contribution Worksheet

Distance to Maximum Impact meters	AERSCREEN Maximum Impact X/Q, (ug/m ³)/(g/s)				
	Maximum	Scaled	Scaled	Scaled	Scaled
	1-hour	3-hour	8-hour	24-hour	Annual
123	18.28	18.28	16.45	10.97	1.828

Impact Parameter	Code	Q _{hr}	X/Q (above)	NO _x to NO ₂ Conversion	C _{PC}
		g/sec	(ug/m ³)/(g/s)		(ug/m ³)
1-hour CO	PCO	1.150	18.28	—	21.0
8-hour CO	CO	0.642	16.45	—	10.6
1-hour NO ₂	PNOX	1.714	18.28	80%	25.1
Annual NO ₂	NOX	1.406	1.83	100%	2.6
1-hour SO ₂	SOX	0.031	18.28	—	0.6
24-hour SO ₂	SOX	0.031	10.97	—	0.3
24-hour PM ₁₀	PM10	0.315	10.97	—	3.5
Annual PM ₁₀	PM10	0.315	1.83	—	0.6
24-hour PM _{2.5}	PM10	0.312	10.97	—	3.4
Annual PM _{2.5}	PM10	0.312	1.83	—	0.6
24-hour SO ₄	SO4	0.003	10.97	—	0.04

Sources: SCAQMD 2006, SCAQMD 2008b, SCAQMD 2015, EPA 1992, EPA 2011

Localized Significance Threshold (LST) Analysis for Maximum Emission Rates - Victorville 2014

Impact Parameter	Applicable Standard	Maximum Ambient Background Concentration		Project Contribution	Cumulative Concentration	AAQS Threshold	Significance
		ppmv	ug/m ³	ug/m ³	ug/m ³	ug/m ³	
1-hour CO	State	11.50	13,162	21.0	13,183	22,900	LTS
	Federal	11.50	13,162	21.0	13,183	40,100	LTS
1-hour NO ₂	State	0.067	125.2	25.1	150	338	LTS
	Federal	0.067	125.2	25.1	150	188	LTS
1-hour SO ₂	State	0.005	12.8	0.6	13	655	LTS
	Federal	0.005	12.8	0.6	13	196	LTS
24-hour SO ₂	State	0.002	5.0	0.3	5	105	LTS
	Federal	0.002	5.0	0.3	5	367	LTS
24-hour PM ₁₀	State	—	*	3.5	3	50	LTS
	Federal	—	246.2	3.5	250	150	PS/LTSM
24-hour PM _{2.5}	State (federal)	—	24.1	3.4	28	35	LTS
	Federal	—	24.1	3.4	28	35	LTS

Sources: SCAQMD 2006, SCAQMD 2008b, SCAQMD 2015, EPA 1992, EPA 2011, CARB 2013, CARB 2015a,b

* insufficient data

Localized Significance Threshold (LST) Analysis for Maximum Emission Rates - Victorville 2013

Impact Parameter	Applicable Standard	Maximum Ambient Background Concentration		Project Contribution	Cumulative Concentration	AAQS Threshold	Significance
		ppmv	ug/m ³	ug/m ³	ug/m ³	ug/m ³	
1-hour CO	State	1.20	1,373	21.0	1,394	22,900	LTS
	Federal	1.20	1,373	21.0	1,394	40,100	LTS
1-hour NO ₂	State	0.065	121.5	25.1	147	338	LTS
	Federal	0.065	121.5	25.1	147	188	LTS
1-hour SO ₂	State	0.004	11.5	0.6	12	655	LTS
	Federal	0.004	11.5	0.6	12	196	LTS
24-hour SO ₂	State	0.002	6.0	0.3	6	105	LTS
	Federal	0.002	6.0	0.3	6	367	LTS
24-hour PM ₁₀	State	—	70.6	3.5	74	50	PS/LTSM
	Federal	—	77.9	3.5	81	150	LTS
24-hour PM _{2.5}	State (federal)	—	13.8	3.4	17	35	LTS
	Federal	—	13.1	3.4	17	35	LTS

Sources: SCAQMD 2006, SCAQMD 2008b, SCAQMD 2015, EPA 1992, EPA 2011, CARB 2013, CARB 2015a,b

Localized Significance Threshold (LST) Analysis for Maximum Emission Rates - Victorville 2012

Impact Parameter	Applicable Standard	Maximum Ambient Background Concentration		Project Contribution	Cumulative Concentration	AAQS Threshold	Significance
		ppmv	ug/m ³	ug/m ³	ug/m ³	ug/m ³	
1-hour CO	State	2.10	2,403	21.0	2,424	22,900	LTS
	Federal	2.10	2,403	21.0	2,424	40,100	LTS
1-hour NO ₂	State	0.056	105.3	25.1	130	338	LTS
	Federal	0.056	105.3	25.1	130	188	LTS
1-hour SO ₂	State	0.006	15.7	0.6	16	655	LTS
	Federal	0.006	15.7	0.6	16	196	LTS
24-hour SO ₂	State	0.003	7.1	0.3	7	105	LTS
	Federal	0.003	7.1	0.3	7	367	LTS
24-hour PM ₁₀	State	—	40.0	3.5	43	50	LTS
	Federal	—	45.0	3.5	48	150	LTS
24-hour PM _{2.5}	State (federal)	—	12.0	3.4	15	35	LTS
	Federal	—	12.0	3.4	15	35	LTS

Sources: SCAQMD 2006, SCAQMD 2008b, SCAQMD 2015, EPA 1992, EPA 2011, CARB 2013, CARB 2015a,b

Localized Significance Threshold (LST) Analysis for Maximum Emission Rates - Victorville 2011

Impact Parameter	Applicable Standard	Maximum Ambient Background Concentrations		Project Contribution	Cumulative Concentration	AAQS Threshold	Significance
		ppmv	ug/m ³	ug/m ³	ug/m ³	ug/m ³	
1-hour CO	State	1.90	2,175	21.0	2,196	22,900	LTS
	Federal	1.90	2,175	21.0	2,196	40,100	LTS
1-hour NO ₂	State	0.075	141.0	25.1	166	338	LTS
	Federal	0.075	141.0	25.1	166	188	LTS
1-hour SO ₂	State	0.013	34.0	0.6	35	655	LTS
	Federal	0.013	34.0	0.6	35	196	LTS
24-hour SO ₂	State	0.007	18.3	0.3	19	105	LTS
	Federal	0.007	18.3	0.3	19	367	LTS
24-hour PM ₁₀	State	—	34.0	3.5	37	50	LTS
	Federal	—	110.2	3.5	114	150	LTS
24-hour PM _{2.5}	State (federal)	—	16.0	3.4	19	35	LTS
	Federal	—	15.0	3.4	18	35	LTS

Sources: SCAQMD 2006, SCAQMD 2008b, SCAQMD 2015, EPA 1992, EPA 2011, CARB 2013, CARB 2015a,b

Localized Significance Threshold (LST) Analysis for Maximum Emission Rates - Victorville 2010

Impact Parameter	Applicable Standard	Maximum Ambient Background Concentration		Project Contribution	Cumulative Concentration	AAQS Threshold	Significance
		ppmv	ug/m ³	ug/m ³	ug/m ³	ug/m ³	
1-hour CO	State	8.70	9,957	21.0	9,978	22,900	LTS
	Federal	8.70	9,957	21.0	9,978	40,100	LTS
1-hour NO ₂	State	0.137	257.6	25.1	283	338	LTS
	Federal	0.137	257.6	25.1	283	188	PS/LTSM
1-hour SO ₂	State	0.052	136.0	0.6	137	655	LTS
	Federal	0.052	136.0	0.6	137	196	LTS
24-hour SO ₂	State	0.007	18.8	0.3	19	105	LTS
	Federal	0.007	18.8	0.3	19	367	LTS
24-hour PM ₁₀	State	—	40.0	3.5	43	50	LTS
	Federal	—	49.0	3.5	52	150	LTS
24-hour PM _{2.5}	State (federal)	—	20.0	3.4	23	35	LTS
	Federal	—	18.0	3.4	21	35	LTS

Sources: SCAQMD 2006, SCAQMD 2008b, SCAQMD 2015, EPA 1992, EPA 2011, CARB 2013, CARB 2015a,b

Summary LST Analysis for Maximum Emission Rates - Victorville 2010-2014 (5-year average maxima)

Impact Parameter	Applicable Standard	Maximum Ambient Background Concentration		Project Contribution	Cumulative Concentration	AAQS Threshold	Significance
		ppmv	ug/m ³	ug/m ³	ug/m ³	ug/m ³	
1-hour CO	State	5.08	5,814	21.0	5,835	22,900	LTS
	Federal	5.08	5,814	21.0	5,835	40,100	LTS
1-hour NO ₂	State	0.080	150.1	25.1	175	338	LTS
	Federal	0.080	150.1	25.1	175	188	LTS
1-hour SO ₂	State	0.016	42.0	0.6	43	655	LTS
	Federal	0.016	42.0	0.6	43	196	LTS
24-hour SO ₂	State	0.004	11.0	0.3	11	105	LTS
	Federal	0.004	11.0	0.3	11	367	LTS
24-hour PM ₁₀	State	—	46.2	3.5	50	50	LTS
	Federal	—	105.7	3.5	109	150	LTS
24-hour PM _{2.5}	State (federal)	—	17.2	3.4	21	35	LTS
	Federal	—	16.4	3.4	20	35	LTS

Sources: SCAQMD 2006, SCAQMD 2008b, SCAQMD 2015, EPA 1992, EPA 2011, CARB 2013, CARB 2015a,b

HARP2 Tier 2 Screening Health Risk Assessment Ground Level Concentrations Tool

Toxics Air Contaminants	Code	Emission Rates		AERSCREEN Modeling Results for Receptors						Calculated Ground Level Concentrations for HARP2					
		Avg Q _{ann}	Max Q _{hr}	Resident X/Q		Worker X/Q		School X/Q		Resident X ug/m ³		Worker X ug/m ³		School X ug/m ³	
		g/sec	g/sec	Annual	Hourly	Annual	Hourly	Annual	Hourly	Annual	Hourly	Annual	Hourly	Annual	Hourly
aAmmonia (as NH ₃ slip)	7664417	3.25E-01	3.25E-01	0.539	5.391	0.968	9.682	0.433	4.330	1.75E-01	1.75E+00	3.14E-01	3.14E+00	1.41E-01	1.41E+00
Acetaldehyde	75070	1.53E-04	1.53E-04	0.539	5.391	0.968	9.682	0.433	4.330	8.23E-05	8.23E-04	1.48E-04	1.48E-03	6.61E-05	6.61E-04
Acrolein	107028	2.44E-05	2.44E-05	0.539	5.391	0.968	9.682	0.433	4.330	1.32E-05	1.32E-04	2.37E-05	2.37E-04	1.06E-05	1.06E-04
Benzene	71432	4.58E-05	4.58E-05	0.539	5.391	0.968	9.682	0.433	4.330	2.47E-05	2.47E-04	4.44E-05	4.44E-04	1.98E-05	1.98E-04
Butadiene (1,3-)	106990	1.64E-06	1.64E-06	0.539	5.391	0.968	9.682	0.433	4.330	8.85E-07	8.85E-06	1.59E-06	1.59E-05	7.11E-07	7.11E-06
Ethylbenzene	100414	1.22E-04	1.22E-04	0.539	5.391	0.968	9.682	0.433	4.330	6.59E-05	6.59E-04	1.18E-04	1.18E-03	5.29E-05	5.29E-04
Formaldehyde	50000	2.71E-03	2.71E-03	0.539	5.391	0.968	9.682	0.433	4.330	1.46E-03	1.46E-02	2.62E-03	2.62E-02	1.17E-03	1.17E-02
Naphthalene	91203	4.96E-06	4.96E-06	0.539	5.391	0.968	9.682	0.433	4.330	2.68E-06	2.68E-05	4.81E-06	4.81E-05	2.15E-06	2.15E-05
PAHs (excl. Naph.)	1151	3.44E-06	3.44E-06	0.539	5.391	0.968	9.682	0.433	4.330	1.85E-06	1.85E-05	3.33E-06	3.33E-05	1.49E-06	1.49E-05
Propylene oxide	75569	1.11E-04	1.11E-04	0.539	5.391	0.968	9.682	0.433	4.330	5.97E-05	5.97E-04	1.07E-04	1.07E-03	4.79E-05	4.79E-04
Toluene	108883	4.96E-04	4.96E-04	0.539	5.391	0.968	9.682	0.433	4.330	2.68E-04	2.68E-03	4.81E-04	4.81E-03	2.15E-04	2.15E-03
Xylene	1330207	2.44E-04	2.44E-04	0.539	5.391	0.968	9.682	0.433	4.330	1.32E-04	1.32E-03	2.37E-04	2.37E-03	1.06E-04	1.06E-03
DPM (as exhaust PM ₁₀)	9901	6.05E-03	1.28E-02	1.594	15.938	24.240	242.400	1.101	11.008	9.64E-03	2.04E-01	1.47E-01	3.10E+00	6.66E-03	1.41E-01

Sources: SCAQMD 2015, EPA 2000, EPA 1992, EPA 2011, CARB 2015c

HARP2 CSV Import Format Tool: projectname_GLCList.csv (copy & paste as values indexed rows & save to .csv file with no headers)

Index	Group1	Group2	POLID/CAS	Pollutant Name	Ave Conc	Max Hr Conc for Acute	Pasture	Fish	Water
User comments:	this field is optional (blank), see user's guide	this field is optional (blank), see user's guide	CAS no. is the lookup reference ID in HARP2 (not AQMD IDs)	HARP2 names differ from names on other lists, e.g., 1401, AB 2588 (see HARP2 TAC list)	annual maximum concentration (permitted PTE)	hourly maximum concentration (equipment rating)	for the mandatory minimum multipathway analysis these pathway receptors are set to zeros in the format (pathways not used)		
Resident Operation	(optional)	(optional)	(CAS No.)	(HARP2 Name)	max_{ann} ug/m³	max_{hr} ug/m³	ug/m³	ug/m³	ug/m³
1			7664417	NH3	1.75E-01	1.75E+00	0	0	0
2			75070	Acetaldehyde	8.23E-05	8.23E-04	0	0	0
3			107028	Acrolein	1.32E-05	1.32E-04	0	0	0
4			71432	Benzene	2.47E-05	2.47E-04	0	0	0
5			106990	1,3-Butadiene	8.85E-07	8.85E-06	0	0	0
6			100414	Ethyl Benzene	6.59E-05	6.59E-04	0	0	0
7			50000	Formaldehyde	1.46E-03	1.46E-02	0	0	0
8			91203	Naphthalene	2.68E-06	2.68E-05	0	0	0
9			1151	PAHs-w/o	1.85E-06	1.85E-05	0	0	0
10			75569	Propylene Oxide	5.97E-05	5.97E-04	0	0	0
11			108883	Toluene	2.68E-04	2.68E-03	0	0	0
12			1330207	Xylenes	1.32E-04	1.32E-03	0	0	0

HARP2 CSV Import Format Tool: projectname_GLCList.csv (copy & paste as values indexed rows & save to .csv file with no headers)

Index	Group1	Group2	POLID/CAS	Pollutant Name	Ave Conc	Max Hr Conc for Acute	Pasture	Fish	Water
User comments:	this field is optional (blank), see user's guide	this field is optional (blank), see user's guide	CAS no. is the lookup reference ID in HARP2 (not AQMD IDs)	HARP2 names differ from names on other lists, e.g., 1401, AB 2588 (see HARP2 TAC list)	annual maximum concentration (permitted PTE)	hourly maximum concentration (equipment rating)	for the mandatory minimum multipathway analysis these pathway receptors are set to zeros in the format (pathways not used)		
Worker Operation	(optional)	(optional)	(CAS No.)	(HARP2 Name)	max_{ann} ug/m³	max_{hr} ug/m³	ug/m³	ug/m³	ug/m³
1			7664417	NH3	3.14E-01	3.14E+00	0	0	0
2			75070	Acetaldehyde	1.48E-04	1.48E-03	0	0	0
3			107028	Acrolein	2.37E-05	2.37E-04	0	0	0
4			71432	Benzene	4.44E-05	4.44E-04	0	0	0
5			106990	1,3-Butadiene	1.59E-06	1.59E-05	0	0	0
6			100414	Ethyl Benzene	1.18E-04	1.18E-03	0	0	0
7			50000	Formaldehyde	2.62E-03	2.62E-02	0	0	0
8			91203	Naphthalene	4.81E-06	4.81E-05	0	0	0
9			1151	PAHs-w/o	3.33E-06	3.33E-05	0	0	0
10			75569	Propylene Oxide	1.07E-04	1.07E-03	0	0	0
11			108883	Toluene	4.81E-04	4.81E-03	0	0	0
12			1330207	Xylenes	2.37E-04	2.37E-03	0	0	0

HARP2 CSV Import Format Tool: projectname_GLCList.csv (copy & paste as values indexed rows & save to .csv file with no headers)

Index	Group1	Group2	POLID/CAS	Pollutant Name	Ave Conc	Max Hr Conc for Acute	Pasture	Fish	Water
User comments:	this field is optional (blank), see user's guide	this field is optional (blank), see user's guide	CAS no. is the lookup reference ID in HARP2 (not AQMD IDs)	HARP2 names differ from names on other lists, e.g., 1401, AB 2588 (see HARP2 TAC list)	annual maximum concentration (permitted PTE)	hourly maximum concentration (equipment rating)	for the mandatory minimum multipathway analysis these pathway receptors are set to zeros in the format (pathways not used)		
School Operation	(optional)	(optional)	(CAS No.)	(HARP2 Name)	max_{ann} ug/m³	max_{hr} ug/m³	ug/m³	ug/m³	ug/m³
1			7664417	NH3	1.41E-01	1.41E+00	0	0	0
2			75070	Acetaldehyde	6.61E-05	6.61E-04	0	0	0
3			107028	Acrolein	1.06E-05	1.06E-04	0	0	0
4			71432	Benzene	1.98E-05	1.98E-04	0	0	0
5			106990	1,3-Butadiene	7.11E-07	7.11E-06	0	0	0
6			100414	Ethyl Benzene	5.29E-05	5.29E-04	0	0	0
7			50000	Formaldehyde	1.17E-03	1.17E-02	0	0	0
8			91203	Naphthalene	2.15E-06	2.15E-05	0	0	0
9			1151	PAHs-w/o	1.49E-06	1.49E-05	0	0	0
10			75569	Propylene Oxide	4.79E-05	4.79E-04	0	0	0
11			108883	Toluene	2.15E-04	2.15E-03	0	0	0
12			1330207	Xylenes	1.06E-04	1.06E-03	0	0	0

HARP2 CSV Import Format Tool: projectname_GLCList.csv (copy & paste as values indexed rows & save to .csv file with no headers)

Index	Group1	Group2	POLID/CAS	Pollutant Name	Ave Conc	Max Hr Conc for Acute	Pasture	Fish	Water
User comments:	this field is optional (blank), see user's guide	this field is optional (blank), see user's guide	CAS no. is the lookup reference ID in HARP2 (not AQMD IDs)	HARP2 names differ from names on other lists, e.g., 1401, AB 2588 (see HARP2 TAC list)	annual maximum concentration (permitted PTE)	hourly maximum concentration (equipment rating)	for the mandatory minimum multipathway analysis these pathway receptors are set to zeros in the format (pathways not used)		
Resident Construction	(optional)	(optional)	(CAS No.)	(HARP2 Name)	max_{ann} ug/m³	max_{hr} ug/m³	ug/m³	ug/m³	ug/m³
1			9901	DieselExhPM	9.64E-03	2.04E-01	0	0	0
Worker Construction	(optional)	(optional)	(CAS No.)	(HARP2 Name)	max_{ann} ug/m³	max_{hr} ug/m³	ug/m³	ug/m³	ug/m³
1			9901	DieselExhPM	1.47E-01	3.10E+00	0	0	0
School Construction	(optional)	(optional)	(CAS No.)	(HARP2 Name)	max_{ann} ug/m³	max_{hr} ug/m³	ug/m³	ug/m³	ug/m³
1			9901	DieselExhPM	6.66E-03	1.41E-01	0	0	0

AERSCREEN Input Data Tool - Point Source

AERSCREEN Input Data Parameters	Values	Values	Values	Units
Initial Information				
Title of modeling run	Taurus_70a	Taurus_70b	Taurus_70c	alpha
Input units, English or metric (E/M)	M	M	M	alpha
Source type (Point, Volume, Area, Circle, Flare, Shielded, Horizontal)	P	P	P	alpha
Source Information				
Emission rate	1	1	1	grams/sec
Stack height	12.19	12.19	12.19	meters
Stack diameter	1.83	1.83	1.83	meters
Stack exit temperature	729	729	729	°K
Stack exit velocity (option 1, m/s)	29.6	29.6	29.6	meters/sec
Rural/Urban (R/U)	Urban	Urban	Urban	alpha
Population of urban area	31,300	31,300	31,300	integer
Minimum distance to ambient air				meters
Option for modeling NO ₂ chemistry (1, 2, 3)	1	2	3	option #
1) No chemistry or pollutant is not NO ₂ (worst case)				
2) Use ozone limiting method (OLM)				
3) Use plume volume molar ratio method (PMVRM)				
In-stack NO ₂ to NO _x ratio for options 2 or 3		0.1	0.1	ratio
Ozone concentration (ambient) for options 2 or 3		0.097	0.097	ppmv
Building Downwash Information				
Include building downwash (Y/N)	N	N	N	alpha
Use existing BPIPPRM input file (Y/N)	N	N	N	alpha
Building height				meters
Maximum horizontal dimension				meters
Minimum horizontal dimension				meters
Orientation of maximum building dimension to true North (0-179)				degrees
Direction of stack from true North axis (0-359)				degrees
Distance from stack to building center axis				meters
Terrain Height Information				
Include terrain heights (Y/N)	N	N	N	alpha
Maximum distance to probe	4,125	4,125	4,125	meters
Include up to 10 discrete receptors (Y/N)	Y	Y	Y	alpha
Filename of discrete receptors (*.txt)	receptors4.txt	receptors4.txt	receptors4.txt	.txt
Use flagpole receptors (Y/N)	N	N	N	alpha
Flagpole receptor height				meters
Source base elevation above mean sea level (land parcel)	903	903	903	meters
Meteorology Information for MAKEMET				
Minimum temperature	272	272	272	°K
Maximum temperature	310	310	310	°K
Minimum wind speed	0.5	0.5	0.5	meters/sec
Anemometer height	10	10	10	meters
Source of surface characteristics (1-user spec, 2-AERMET, 3-ext file)	1	1	1	option #
Surface Albedo	0.21	0.21	0.21	ratio
Bowen Ratio	1.5	1.5	1.5	ratio
Surface Roughness Length	0.27	0.27	0.27	meters
Dominant surface profile (land use: 1, 2, 3, 4, 5, 6, 7, 8)				option #
Dominant climate profile (1-average, 2-wet, 3-dry)				option #
Output File				
Use non-default name (*.out)	Taurus_70a	Taurus_70b	Taurus_70c	.out

Sources: EPA 1992, EPA 2011

Notes:

1) Water; 2) Deciduous Forest; 3) Coniferous Forest; 4) Swamp; 5) Cultivated Land; 6) Grassland; 7) Urban; 8) Desert Shrubland

User Specs:

<http://www.aqmd.gov/home/library/air-quality-data-studies/meteorological-data/aermod-table-2>

AERSCREEN Input Data Tool - Volume Source

AERSCREEN Input Data Parameters	Values	Values	Values	Units
Initial Information				
Title of modeling run	Const_DPM			alpha
Input units, English or metric (E/M)	M			alpha
Source type (Point, Volume, Area, Circle, Flare, Shielded, Horizontal)	V			alpha
Source Information				
Emission rate	1			grams/sec
Volume side length	114			meters
Distance from center to edge	57			meters
Volume height, H	5			meters
Initial lateral dimension of the volume, y (from EPA Table 4-6)	26.51			meters
Initial vertical dimension of the volume, z (from EPA Table 4-6)	2.33			meters
Rural/Urban (R/U)	U			alpha
Population of urban area	31,300			integer
Minimum distance to ambient air				meters
Option for modeling NO ₂ chemistry (1, 2, 3)	1			option #
1) No chemistry or pollutant is not NO ₂ (worst case unitary)				
2) Use ozone limiting method				
3) Use plume volume molar ratio method				
In-stack NO ₂ to NO _x ratio for options 2 or 3				ratio
Ozone concentration (ambient) for options 2 or 3				ppmv
Terrain Height Information				
Include terrain heights (Y/N)	N			alpha
Maximum distance to probe	4,125			meters
Include up to 10 discrete receptors (Y/N)	Y			alpha
Filename of discrete receptors (*.txt)	receptors4.txt			.txt
Use flagpole receptors (Y/N)	N			alpha
Flagpole receptor height				meters
Source base elevation above mean sea level (land parcel)	903			meters
Meteorology Information for MAKEMET				
Minimum temperature	272			°K
Maximum temperature	310			°K
Minimum wind speed	0.5			meters/sec
Anemometer height	10			meters
Source of surface characteristics (1-user spec, 2-AERMET, 3-ext file)	1			option #
Surface Albedo	0.21			ratio
Bowen Ratio	1.5			ratio
Surface Roughness Length	0.27			meters
Dominant surface profile (land use: 1, 2, 3, 4, 5, 6, 7, 8)				option #
Dominant climate profile (1-average, 2-wet, 3-dry)				option #
Output File				
Use non-default name (*.out)	Const_DPM			.out

Sources: EPA 1992, EPA 2011

Notes:

1) Water; 2) Deciduous Forest; 3) Coniferous Forest; 4) Swamp; 5) Cultivated Land; 6) Grassland; 7) Urban; 8) Desert Shrubland

User Specs:

<http://www.aqmd.gov/home/library/air-quality-data-studies/meteorological-data/aermod-table-2>

Surface Characteristics of Meteorological Sites Used in AERMET

Station	Surface Albedo	Bowen Ratio	Surface Roughness, m
Anaheim	0.17	1.0	0.453
Azusa	0.19	1.0	0.361
Banning Airport	0.22	1.5	0.149
Burbank	0.19	1.0	0.532
Central LA	0.18	1.0	0.561
Compton	0.18	1.0	0.547
Costa Mesa	0.18	1.0	0.347
Crestline	0.17	1.0	0.406
Fontana	0.19	1.0	0.240
Indio	0.19	1.5	0.218
La Habra	0.18	1.0	0.467
Lake Elsinore	0.20	1.0	0.232
LAX	0.16	1.0	0.232
Long Beach	0.18	1.0	0.504
Lynwood	0.18	1.0	0.428
Mission Viejo	0.18	1.0	0.300
Palm Springs	0.22	1.5	0.444
Perris	0.20	1.0	0.193
Pico Rivera	0.18	1.0	0.338
Pomona	0.18	1.0	0.470
Redlands	0.20	1.0	0.331
Reseda	0.18	1.0	0.504
Riverside	0.19	1.0	0.314
San Bernardino	0.18	1.0	0.315
Santa Clarita	0.21	1.0	0.254
Upland	0.18	1.0	0.334
West LA	0.18	1.0	0.402

Source: SCAQMD 2015

Average Desert Areas	0.21	1.5	0.27
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Ambient Air Quality Standards Reference

Criteria Pollutants	Averaging Time	California Standards		Federal Standards	
		ppmv	µg/m ³	ppmv	µg/m ³
Ozone (O ₃)	1-hour	0.09	177	—	—
	8-hour	0.07	137	0.075	147
Nitrogen Dioxide (NO ₂)	1-hour	0.18	338	0.100	188
	Annual	0.03	56	0.053	100
Sulfur Dioxide (SO ₂)	1-hour	0.25	655	0.075	196
	3-hour Secondary	—	—	0.50	1,309
	24-hour	0.04	105	0.14	367
	Annual	—	—	0.03	79
Carbon Monoxide (CO)	1-hour	20	22,898	35	40,071
	8-hour	9	10,304	9	10,304
	Lake Tahoe (8-hr)	6	6,869	—	—
Particulates (as PM ₁₀)	24-hour	—	50	—	150
	Annual	—	20	—	—
Particulates (as PM _{2.5})	24-hour	—	—	—	35
	Annual Primary	—	12	—	12
	Annual Secondary	—	—	—	15
Lead (Pb)	30-day	—	1.5	—	—
	3-month (rolling)	—	—	—	0.15
Sulfates (as SO ₄)	24-hour	—	25	—	—
Hydrogen Sulfide (H ₂ S)	1-hour	0.03	42	—	—
Vinyl Chloride (C ₂ H ₃ Cl)	24-hour	0.01	26	—	—
Visibility Reducing Particles	8-hour	Extinction coefficient of 0.23 per km; visibility of 10 miles or more (0.07 to 30 miles or more for Lake Tahoe) due to particles when relative humidity is less than 70%.		—	—

Source: CARB 2013

Notes:

ppmv = parts per million by volume

µg/m³ = micrograms per cubic meter

The 1.5 µg/m³ federal quarterly lead standard applied until 2008; 0.15 µg/m³ rolling 3-month average

For gases, ug/m³ calculated from ppmv based on molecular weight and standard conditions:

Standard Temperature 25 °C for ambient air monitoring

Standard Molar Volume 24.465 liter/g-mole for ambient air monitoring

Victorville Air Monitoring Station (14306 Park Avenue) Statistics

Year	Ozone Observations, ppmv			PM _{2.5} , ug/m ³		PM ₁₀ , ug/m ³	
	Highest State 1-Hr Max	Highest National 8-Hr Avg	Highest State 8-Hr Avg	National Maximum 24-Hr Avg	State Maximum 24-Hr Avg	Highest National 24-Hr Avg	Highest State 24-Hr Avg
2014	0.122	0.096	0.097	24.1	24.1	246.2	*
2013	0.120	0.097	0.097	13.1	13.8	77.9	70.6
2012	0.111	0.094	0.095	12.0	12.0	45.0	40.0
2011	0.098	0.085	0.085	15.0	16.0	110.2	34.0
2010	0.111	0.092	0.093	18.0	20.0	49.0	40.0

Source: CARB 2015a (ADAM database: <http://www.arb.ca.gov/adam/index.html>)

* insufficient data

Antelope Valley & Western Mojave Desert 8-Hour Ozone Planning Area Statistics

Year	Confirmed Days Over Standards			Ozone Observations, ppmv		
	State	State	National	State	State	National
	1-Hr	8-Hr	8-Hr	1-Hr Max	8-Hr Max	8-Hr Max
2014	28	96	59	0.137	0.100	0.100
2013	22	102	64	0.120	0.097	0.097
2012	44	115	78	0.119	0.108	0.108

Source: CARB 2015a (ADAM database: <http://www.arb.ca.gov/adam/index.html>)

Mojave Desert Air Basin PM₁₀ Statistics

Year	Estimated Days Over Standards		PM ₁₀ Observations, ug/m ³					
			Annual Averages		3-Year Averages		Highest 24-Hr Averages	
	National	State	National	State	National	State	National	State
2014	1.0	12.6	30.2	22.7	29	28	305.8	171.0
2013	1.1	*	37.7	*	26	28	305.2	173.4
2012	*	19.1	25.1	27.5	23	28	181.6	96.6

Source: CARB 2015a (ADAM database: <http://www.arb.ca.gov/adam/index.html>)

* insufficient data

Mojave Desert Air Basin PM_{2.5} Statistics

Year	Estimated Days Over National Standard	PM _{2.5} Observations, ug/m ³				
		Annual Average		Nat'l 98th	Highest 24-Hr Average	
		National	State	Percentile	National	State
2014	6.9	7.2	6.1	27.9	42.0	42.0
2013	0.0	5.8	*	10.9	76.2	76.2
2012	2.1	6.5	6.6	21.8	67.7	49.5

Source: CARB 2015a (ADAM database: <http://www.arb.ca.gov/adam/index.html>)

* insufficient data

Highest Ambient Ozone Levels - Mojave Desert Air Basin 2012-2014 (ppmv)

Measurement Rankings	2012		2013		2014		3-Year
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average	Averages
National Standards:							
First High:	11-Jul	0.108	4-Jul	0.097	16-May	0.100	0.102
Second High:	21-May	0.097	8-Jun	0.094	1-Jul	0.097	0.096
Third High:	21-Jun	0.097	19-Jul	0.094	5-Jun	0.095	0.095
Fourth High:	12-May	0.096	4-May	0.093	17-May	0.094	0.094
California Standards:							
First High:	11-Jul	0.108	4-Jul	0.097	16-May	0.100	0.102
Second High:	21-Jun	0.098	8-Jun	0.095	1-Jul	0.097	0.097
Third High:	12-May	0.097	4-May	0.094	5-Jun	0.096	0.096
Fourth High:	21-May	0.097	18-Jul	0.094	17-May	0.094	0.095
National Status:							
# Days Above the Standard:	—	81	—	66	—	80	—
Nat'l Standard Design Value:	—	0.097	—	0.092	—	0.092	—
Nat'l Year Coverage Range (percent):	—	33 - 100	—	67 - 100	—	90 - 100	—
California Status:							
High # Days Above the Standard:	—	123	—	105	—	125	—
High State Designation Value:	—	0.108	—	0.102	—	0.100	—
High Valid EPDC:	—	0.109	—	0.105	—	0.104	—
State Year Coverage Range (percent):	—	35 - 100	—	67 - 100	—	89 - 100	—

Source: CARB 2015a (ADAM database: <http://www.arb.ca.gov/adam/index.html>)

Highest Ambient Nitrogen Dioxide Levels - Mojave Desert Air Basin 2012-2014 (ppbv)

Measurement Rankings	2012		2013		2014		3-Year
	Date	1-Hr Maxima	Date	1-Hr Maxima	Date	1-Hr Maxima	Averages
National Standards:							
First High:	2-Sep	146	23-Dec	85	6-Jan	69	100
Second High:	19-Jul	139	2-May	68	31-Jul	67	91
Third High:	28-Aug	122	8-Nov	65	8-Apr	63	83
Fourth High:	30-Jul	119	6-Dec	64	24-Sep	63	82
California Standards:							
First High:	2-Sep	146	23-Dec	84	6-Jan	69	100
Second High:	19-Jul	139	2-May	68	31-Jul	66	91
Third High:	28-Aug	122	8-Nov	64	8-Apr	63	83
Fourth High:	30-Jul	119	6-Dec	64	24-Sep	63	82
National Status:							
High 1-Hour Std Design Value:	—	72	—	55	—	53	—
High 1-Hour Std 98th Percentile:	—	96	—	60	—	59	—
High # Days Above the Standard:	—	7	—	0	—	0	—
High Annual Std Design Value:	—	17	—	14	—	16	—
California Status:							
High 1-Hr Std Designation Value:	—	80	—	80	—	80	—
High Valid EPDC:	—	88	—	91	—	89	—
High # Days Above the Standard:	—	0	—	0	—	0	—
High Ann'l Std Designation Value:	—	17	—	17	—	17	—
High Annual Average:	—	17	—	14	—	16	—
Year Coverage Range (percent):	—	41 - 100	—	84 - 99	—	79 - 100	—

Source: CARB 2015a (ADAM database: <http://www.arb.ca.gov/adam/index.html>)

Highest Ambient PM₁₀ Levels - Mojave Desert Air Basin 2012-2014 (ug/m³)

Measurement Rankings	2012		2013		2014		3-Year Averages
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average	
National Standards:							
First High:	6-Mar	181.6	23-Feb	305.2	10-May	305.8	264.2
Second High:	21-Jan	138.5	25-Sep	130.9	22-Apr	126.2	131.9
Third High:	10-Sep	85.5	26-Feb	122.2	22-Nov	117.5	108.4
Fourth High:	1-Mar	69.6	25-Feb	104.3	17-Mar	114.5	96.1
California Standards:							
First High:	22-May	96.6	28-May	173.4	15-Oct	171	147.0
Second High:	6-Mar	78.0	4-May	68.7	25-Dec	96.5	81.1
Third High:	8-Jun	77.6	3-Jun	43.7	8-Oct	94.8	72.0
Fourth High:	17-May	73.0	2-Aug	39.5	9-May	81.4	64.6
National Status:							
Estimated # Days > 24-Hour Std:	—	*	—	1.1	—	1	—
Measured # Days > 24-Hour Std:	—	1	—	1	—	1	—
3-Yr Avg Est # Days > 24-Hr Std:	—	*	—	*	—	*	—
High Annual Average:	—	25.1	—	37.7	—	30.2	—
High 3-Year Average:	—	23.0	—	26.0	—	29.0	—
California Status:							
Estimated # Days > 24-Hour Std:	—	19.1	—	*	—	12.6	—
Measured # Days > 24-Hour Std:	—	18	—	26	—	12	—
High Annual Average:	—	27.5	—	*	—	22.7	—
High 3-Year Max Annual Average:	—	28.0	—	28.0	—	28.0	—
High Year Coverage (percent):	—	100	—	97	—	—	—

Source: CARB 2015a (ADAM database: <http://www.arb.ca.gov/adam/index.html>)

* insufficient data

APPENDIX D – HEALTH RISK ASSESSMENT MODELING OUTPUTS

AERSCREEN 11126 / AERMOD 1335
06/03/15

21:01:05

TITLE: ADELANTO COMPRESSOR STATION

***** STACK PARAMETERS *****

SOURCE EMISSION RATE: 1.0000 g/s 7.937 lb/hr
STACK HEIGHT: 12.19 meters 39.99 feet
STACK INNER DIAMETER: 1.830 meters 72.05 inches
PLUME EXIT TEMPERATURE: 729.0 K 852.5 Deg F
PLUME EXIT VELOCITY: 29.200 m/s 95.80 ft/s
STACK AIR FLOW RATE: 162736 ACFM
RURAL OR URBAN: URBAN
POPULATION: 31300

INITIAL PROBE DISTANCE = 4125. meters 13533. feet

***** BUILDING DOWNWASH PARAMETERS *****

NO BUILDING DOWNWASH HAS BEEN REQUESTED FOR THIS ANALYSIS

***** PROBE ANALYSIS *****
25 meter receptor spacing: 1. meters - 4125. meters

Zo SECTOR	ROUGHNESS LENGTH	1-HR CONC (ug/m3)	DIST (m)	TEMPORAL PERIOD
1*	0.270	18.27	125.0	ANN

* = worst case flow sector

***** MAKEMET METEOROLOGY PARAMETERS *****

MIN/MAX TEMPERATURE: 272.0 / 310.0 (K)
 MINIMUM WIND SPEED: 0.5 m/s
 ANEMOMETER HEIGHT: 10.000 meters
 SURFACE CHARACTERISTICS INPUT: USER ENTERED
 ALBEDO: 0.21
 BOWEN RATIO: 1.50
 ROUGHNESS LENGTH: 0.270 (meters)

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR MO DY JDY HR
 -- -- -- -- --
 10 05 28 28 01

H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO
-64.00	1.991	-9.000	0.020	-999.	4000.	8888.0	0.270	1.50	0.21

REF WS
 18.00

HT	REF TA	HT
10.0	310.0	2.0

ESTIMATED FINAL PLUME HEIGHT (non-downwash): 52.8 meters

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT

YR MO DY JDY HR
 -- -- -- -- --
 10 01 04 28 12

H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO
21.70	0.093	0.300	0.020	47.	66.	-3.6	0.270	1.50	0.21

REF WS
 0.50

HT	REF TA	HT
----	--------	----

10.0 310.0 2.0

ESTIMATED FINAL PLUME HEIGHT (non-downwash): 1461.8 meters

***** AERSCREEN AUTOMATED DISTANCES

OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

DIST (m)	MAXIMUM 1-HR CONC (ug/m3)	DIST (m)	MAXIMUM 1-HR CONC (ug/m3)
1.00	0.1886	2125.00	4.999
25.00	1.908	2150.00	4.954
50.00	1.524	2175.00	4.910
75.00	5.822	2200.00	4.867
100.00	16.64	2225.00	4.824
125.00	18.27	2250.00	4.782
150.00	17.10	2275.00	4.741
175.00	15.09	2300.00	4.701
200.00	13.05	2325.00	4.661
225.00	11.23	2350.00	4.622
239.99	10.27	2375.00	4.583
250.00	9.682	2400.00	4.545
275.00	8.929	2425.00	4.508
300.00	8.677	2450.00	4.471
325.00	8.317	2475.00	4.435
350.00	8.116	2500.00	4.399
375.00	8.555	2525.00	4.364
400.00	8.905	2550.00	4.330
425.00	9.175	2575.00	4.296
450.00	9.376	2600.00	4.262
475.00	9.510	2625.00	4.229
500.00	9.587	2650.00	4.197
525.00	9.618	2675.00	4.165
550.00	9.629	2700.00	4.133
575.00	9.615	2725.00	4.102
600.00	9.581	2750.00	4.072
625.00	9.533	2775.00	4.042
650.00	9.471	2779.99	4.036
675.00	9.400	2800.00	4.012
700.00	9.321	2809.99	4.000
725.00	9.236	2825.00	3.983
750.00	9.146	2850.00	3.954
775.00	9.052	2875.00	3.925
800.00	8.956	2900.00	3.897

825.00	8.858	2925.00	3.870
850.00	8.759	2950.00	3.842
875.00	8.659	2975.00	3.815
900.00	8.558	3000.00	3.789
925.00	8.458	3025.00	3.763
950.00	8.358	3050.00	3.737
975.00	8.258	3075.00	3.711
1000.00	8.159	3100.00	3.686
1019.99	8.081	3125.00	3.662
1025.00	8.061	3150.00	3.637
1050.00	7.964	3175.00	3.613
1075.00	7.868	3200.00	3.589
1100.00	7.773	3225.00	3.566
1125.00	7.679	3250.00	3.542
1150.00	7.587	3275.00	3.519
1175.00	7.496	3300.00	3.497
1200.00	7.406	3325.00	3.474
1225.00	7.318	3350.00	3.452
1250.00	7.231	3375.00	3.431
1275.00	7.146	3400.00	3.409
1300.00	7.062	3425.00	3.388
1325.00	6.980	3450.00	3.367
1350.00	6.898	3475.00	3.346
1375.00	6.819	3500.00	3.326
1400.00	6.740	3509.99	3.317
1425.00	6.664	3525.00	3.305
1450.00	6.588	3550.00	3.285
1475.00	6.514	3575.00	3.266
1500.00	6.441	3600.00	3.246
1525.00	6.370	3625.00	3.227
1550.00	6.300	3650.00	3.208
1575.00	6.231	3675.00	3.189
1600.00	6.163	3700.00	3.170
1625.00	6.097	3709.99	3.163
1649.99	6.032	3725.00	3.152
1650.00	6.032	3750.00	3.133
1675.00	5.968	3759.99	3.126
1700.00	5.905	3775.00	3.115
1725.00	5.844	3800.00	3.098
1750.00	5.783	3825.00	3.080
1775.00	5.724	3850.00	3.062
1800.00	5.666	3875.00	3.045
1825.00	5.609	3900.00	3.028
1850.00	5.553	3925.00	3.011
1875.00	5.498	3950.00	2.995
1900.00	5.444	3969.99	2.981
1925.00	5.390	3975.00	2.978
1950.00	5.338	4000.00	2.962
1975.00	5.287	4025.00	2.946
2000.00	5.237	4050.00	2.930
2025.00	5.187	4075.00	2.914
2050.00	5.139	4100.00	2.898
2075.00	5.091	4119.99	2.886
2100.00	5.044	4125.00	2.883

 ***** AERSCREEN MAXIMUM IMPACT SUMMARY *****

SCALED	MAXIMUM	SCALED	SCALED	SCALED
	1-HOUR	3-HOUR	8-HOUR	24-HOUR
ANNUAL				
CALCULATION	CONC	CONC	CONC	CONC
CONC				
PROCEDURE	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
(ug/m3)				

FLAT TERRAIN	18.28	18.28	16.45	10.97
1.828				

DISTANCE FROM SOURCE 123.00 meters

IMPACT AT THE				
AMBIENT BOUNDARY	0.1886	0.1886	0.1697	0.1131
0.1886E-01				

DISTANCE FROM SOURCE 1.00 meters

AERSCREEN 11126 / AERMOD 1335
06/03/15

20:55:48

TITLE: ADELANTO COMPRESSOR STATION

***** STACK PARAMETERS

SOURCE EMISSION RATE: 1.0000 g/s 7.937 lb/hr
STACK HEIGHT: 12.19 meters 39.99 feet
STACK INNER DIAMETER: 2.130 meters 83.86 inches
PLUME EXIT TEMPERATURE: 707.0 K 812.9 Deg F
PLUME EXIT VELOCITY: 31.100 m/s 102.03 ft/s
STACK AIR FLOW RATE: 234810 ACFM
RURAL OR URBAN: URBAN
POPULATION: 31300

INITIAL PROBE DISTANCE = 4125. meters 13533. feet

***** BUILDING DOWNWASH PARAMETERS

NO BUILDING DOWNWASH HAS BEEN REQUESTED FOR THIS ANALYSIS

***** PROBE ANALYSIS *****
25 meter receptor spacing: 1. meters - 4125. meters

Zo SECTOR	ROUGHNESS LENGTH	1-HR CONC (ug/m3)	DIST (m)	TEMPORAL PERIOD
1*	0.270	15.46	125.0	ANN

* = worst case flow sector

***** MAKEMET METEOROLOGY PARAMETERS *****

MIN/MAX TEMPERATURE: 272.0 / 310.0 (K)
 MINIMUM WIND SPEED: 0.5 m/s
 ANEMOMETER HEIGHT: 10.000 meters
 SURFACE CHARACTERISTICS INPUT: USER ENTERED
 ALBEDO: 0.21
 BOWEN RATIO: 1.50
 ROUGHNESS LENGTH: 0.270 (meters)

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR MO DY JDY HR
 -- -- -- -- --
 10 05 28 28 01

H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO
-64.00	1.991	-9.000	0.020	-999.	4000.	8888.0	0.270	1.50	0.21

REF WS
 18.00

HT	REF TA	HT
10.0	310.0	2.0

ESTIMATED FINAL PLUME HEIGHT (non-downwash): 62.1 meters

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT

YR MO DY JDY HR
 -- -- -- -- --
 10 01 04 28 12

H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO
21.70	0.093	0.300	0.020	47.	66.	-3.6	0.270	1.50	0.21

REF WS
 0.50

HT	REF TA	HT
----	--------	----

10.0 310.0 2.0

ESTIMATED FINAL PLUME HEIGHT (non-downwash): 1793.4 meters

***** AERSCREEN AUTOMATED DISTANCES

OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

DIST (m)	MAXIMUM 1-HR CONC (ug/m3)	DIST (m)	MAXIMUM 1-HR CONC (ug/m3)
1.00	0.6453	2125.00	4.999
25.00	1.364	2150.00	4.954
50.00	1.071	2175.00	4.910
75.00	3.113	2200.00	4.867
100.00	11.28	2225.00	4.824
125.00	15.46	2250.00	4.782
150.00	15.28	2275.00	4.741
175.00	13.96	2300.00	4.701
200.00	12.35	2325.00	4.661
225.00	10.80	2350.00	4.622
239.99	9.946	2375.00	4.583
250.00	9.418	2400.00	4.545
275.00	8.234	2425.00	4.508
300.00	7.230	2450.00	4.471
325.00	7.579	2475.00	4.435
350.00	8.116	2500.00	4.399
375.00	8.555	2525.00	4.364
400.00	8.905	2550.00	4.330
425.00	9.175	2575.00	4.296
450.00	9.376	2600.00	4.262
475.00	9.510	2625.00	4.229
500.00	9.587	2650.00	4.197
525.00	9.618	2675.00	4.165
550.00	9.629	2700.00	4.133
575.00	9.615	2725.00	4.102
600.00	9.581	2750.00	4.072
625.00	9.533	2775.00	4.042
650.00	9.471	2779.99	4.036
675.00	9.400	2800.00	4.012
700.00	9.321	2809.99	4.000
725.00	9.236	2825.00	3.983
750.00	9.146	2850.00	3.954
775.00	9.052	2875.00	3.925
800.00	8.956	2900.00	3.897

825.00	8.858	2925.00	3.870
850.00	8.759	2950.00	3.842
875.00	8.659	2975.00	3.815
900.00	8.558	3000.00	3.789
925.00	8.458	3025.00	3.763
950.00	8.358	3050.00	3.737
975.00	8.258	3075.00	3.711
1000.00	8.159	3100.00	3.686
1019.99	8.081	3125.00	3.662
1025.00	8.061	3150.00	3.637
1050.00	7.964	3175.00	3.613
1075.00	7.868	3200.00	3.589
1100.00	7.773	3225.00	3.566
1125.00	7.679	3250.00	3.542
1150.00	7.587	3275.00	3.519
1175.00	7.496	3300.00	3.497
1200.00	7.406	3325.00	3.474
1225.00	7.318	3350.00	3.452
1250.00	7.231	3375.00	3.431
1275.00	7.146	3400.00	3.409
1300.00	7.062	3425.00	3.388
1325.00	6.980	3450.00	3.367
1350.00	6.898	3475.00	3.346
1375.00	6.819	3500.00	3.326
1400.00	6.740	3509.99	3.317
1425.00	6.664	3525.00	3.305
1450.00	6.588	3550.00	3.285
1475.00	6.514	3575.00	3.266
1500.00	6.441	3600.00	3.246
1525.00	6.370	3625.00	3.227
1550.00	6.300	3650.00	3.208
1575.00	6.231	3675.00	3.189
1600.00	6.163	3700.00	3.170
1625.00	6.097	3709.99	3.163
1649.99	6.032	3725.00	3.152
1650.00	6.032	3750.00	3.133
1675.00	5.968	3759.99	3.126
1700.00	5.905	3775.00	3.115
1725.00	5.844	3800.00	3.098
1750.00	5.783	3825.00	3.080
1775.00	5.724	3850.00	3.062
1800.00	5.666	3875.00	3.045
1825.00	5.609	3900.00	3.028
1850.00	5.553	3925.00	3.011
1875.00	5.498	3950.00	2.995
1900.00	5.444	3969.99	2.981
1925.00	5.390	3975.00	2.978
1950.00	5.338	4000.00	2.962
1975.00	5.287	4025.00	2.946
2000.00	5.237	4050.00	2.930
2025.00	5.187	4075.00	2.914
2050.00	5.139	4100.00	2.898
2075.00	5.091	4119.99	2.886
2100.00	5.044	4125.00	2.883

 ***** AERSCREEN MAXIMUM IMPACT SUMMARY *****

SCALED	MAXIMUM	SCALED	SCALED	SCALED
	1-HOUR	3-HOUR	8-HOUR	24-HOUR
ANNUAL	CONC	CONC	CONC	CONC
CALCULATION				
CONC	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)
PROCEDURE				
(ug/m3)				

FLAT TERRAIN	15.62	15.62	14.06	9.370
1.562				

DISTANCE FROM SOURCE 134.00 meters

IMPACT AT THE				
AMBIENT BOUNDARY	0.6453	0.6453	0.5808	0.3872
0.6453E-01				

DISTANCE FROM SOURCE 1.00 meters

AERSCREEN 11126 / AERMOD 1335
06/10/15

16:50:09

TITLE: ADELANTO CONSTRUCTION

***** VOLUME PARAMETERS

SOURCE EMISSION RATE: 1.0000 g/s 7.937 lb/hr
VOLUME HEIGHT: 5.00 meters 16.40 feet
INITIAL LATERAL DIMENSION: 26.51 meters 86.98 feet
INITIAL VERTICAL DIMENSION: 2.33 meters 7.64 feet
RURAL OR URBAN: URBAN
POPULATION: 31300

INITIAL PROBE DISTANCE = 4125. meters 13533. feet

***** BUILDING DOWNWASH PARAMETERS

BUILDING DOWNWASH NOT USED FOR NON-POINT SOURCES

***** PROBE ANALYSIS *****
25 meter receptor spacing: 51. meters - 4125. meters

Zo SECTOR	ROUGHNESS LENGTH	1-HR CONC (ug/m3)	DIST (m)	TEMPORAL PERIOD
1*	0.270	886.6	75.0	ANN

* = worst case flow sector

***** MAKEMET METEOROLOGY PARAMETERS

MIN/MAX TEMPERATURE: 272.0 / 310.0 (K)

MINIMUM WIND SPEED: 0.5 m/s

ANEMOMETER HEIGHT: 10.000 meters

SURFACE CHARACTERISTICS INPUT: USER ENTERED

ALBEDO: 0.21

BOWEN RATIO: 1.50

ROUGHNESS LENGTH: 0.270 (meters)

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR MO DY JDY HR

-- -- -- -- --

10 03 26 26 01

H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO
REF WS

-- --
-4.21 0.083 -9.000 0.020 -999. 55. 13.0 0.270 1.50 0.21
1.50

HT REF TA HT

10.0 310.0 2.0

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT

YR MO DY JDY HR

-- -- -- -- --

10 03 26 26 01

H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO
REF WS

-- --
-4.21 0.083 -9.000 0.020 -999. 55. 13.0 0.270 1.50 0.21
1.50

HT REF TA HT

10.0 310.0 2.0

 ***** AERSCREEN AUTOMATED DISTANCES

OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

MAXIMUM		MAXIMUM	
DIST	1-HR CONC	DIST	1-HR CONC
(m)	(ug/m3)	(m)	(ug/m3)
51.01	0.000	2150.00	13.68
75.00	886.6	2175.00	13.47
100.00	679.3	2200.00	13.26
125.00	540.4	2225.00	13.05
150.00	442.9	2250.00	12.86
175.00	371.5	2275.00	12.67
200.00	317.4	2300.00	12.50
225.00	275.4	2325.00	12.33
239.99	254.8	2350.00	12.17
250.00	242.4	2375.00	12.01
275.00	215.5	2400.00	11.85
300.00	193.3	2425.00	11.70
325.00	174.7	2450.00	11.55
350.00	158.9	2475.00	11.41
375.00	145.4	2500.00	11.27
400.00	133.8	2525.00	11.14
425.00	123.6	2550.00	11.01
450.00	114.7	2575.00	10.88
475.00	106.8	2600.00	10.76
500.00	99.83	2625.00	10.64
525.00	93.58	2650.00	10.52
550.00	87.97	2675.00	10.40
575.00	82.92	2700.00	10.29
600.00	78.33	2725.00	10.18
625.00	74.17	2750.00	10.08
650.00	70.37	2775.00	9.975
675.00	66.89	2779.99	9.955
700.00	63.69	2800.00	9.874
725.00	60.75	2809.99	9.835
750.00	58.03	2825.00	9.776
775.00	55.51	2850.00	9.681
800.00	53.18	2875.00	9.587
825.00	51.00	2900.00	9.496
850.00	48.98	2925.00	9.407
875.00	47.09	2950.00	9.321
900.00	45.32	2975.00	9.236
925.00	43.66	3000.00	9.153
950.00	42.10	3025.00	9.072
975.00	40.64	3050.00	8.993
1000.00	39.26	3075.00	8.916

1019.99	38.21	3100.00	8.840
1025.00	37.95	3125.00	8.767
1050.00	36.72	3150.00	8.694
1075.00	35.56	3175.00	8.624
1100.00	34.46	3200.00	8.555
1125.00	33.42	3225.00	8.487
1150.00	32.42	3250.00	8.421
1175.00	31.48	3275.00	8.356
1200.00	30.59	3300.00	8.292
1225.00	29.73	3325.00	8.230
1250.00	28.92	3350.00	8.169
1275.00	28.14	3375.00	8.110
1300.00	27.40	3400.00	8.051
1325.00	26.69	3425.00	7.994
1350.00	26.01	3450.00	7.938
1375.00	25.37	3475.00	7.882
1400.00	24.74	3500.00	7.828
1425.00	24.15	3509.99	7.807
1450.00	23.58	3525.00	7.775
1475.00	23.03	3550.00	7.723
1500.00	22.50	3575.00	7.672
1525.00	21.99	3600.00	7.622
1550.00	21.50	3625.00	7.572
1575.00	21.03	3650.00	7.524
1600.00	20.58	3675.00	7.476
1625.00	20.14	3700.00	7.429
1649.99	19.72	3709.99	7.411
1650.00	19.72	3725.00	7.383
1675.00	19.32	3750.00	7.338
1700.00	18.93	3759.99	7.320
1725.00	18.55	3775.00	7.294
1750.00	18.18	3800.00	7.250
1775.00	17.83	3825.00	7.207
1800.00	17.49	3850.00	7.165
1825.00	17.16	3875.00	7.123
1850.00	16.84	3900.00	7.082
1875.00	16.53	3925.00	7.042
1900.00	16.23	3950.00	7.002
1925.00	15.94	3969.99	6.971
1950.00	15.66	3975.00	6.963
1975.00	15.38	4000.00	6.924
2000.00	15.12	4025.00	6.886
2025.00	14.86	4050.00	6.849
2050.00	14.61	4075.00	6.812
2075.00	14.37	4100.00	6.776
2100.00	14.13	4119.99	6.747
2125.00	13.91	4125.00	6.740

 ***** AERSCREEN MAXIMUM IMPACT SUMMARY *****

SCALED ANNUAL CALCULATION CONC PROCEDURE (ug/m3)	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)
FLAT TERRAIN 109.0	1090.	1090.	980.7	653.8
DISTANCE FROM SOURCE	58.00 meters			
IMPACT AT THE AMBIENT BOUNDARY 0.000	0.000	0.000	0.000	0.000
DISTANCE FROM SOURCE	51.01 meters			

HARP2 - HRACalc (dated 15065) 6/16/2015 9:34:51 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully

Start Age: -0.25
Total Exposure Duration: 2

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

Pathways Enabled

Inhalation: True
Soil: True
Dermal: True
Mother's Milk: True
Water: False
Fish: False
Homegrown Crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

Calculating cancer risk

Cancer risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Construction_4\DPM_res_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Construction_4\DPM_res_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Construction_4\DPM_res_NCAcuteRisk.csv

HRA ran successfully

HARP2 - HRACalc (dated 15065) 6/16/2015 9:37:54 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully

Start Age: 14
Total Exposure Duration: 2

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 2
16<30 Years Bin: 0
16 to 70 Years Bin: 0

Pathways Enabled

Inhalation: True
Soil: True
Dermal: True
Mother's Milk: False
Water: False
Fish: False
Homegrown Crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

Calculating cancer risk

Cancer risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Construction_4\DPM_sch_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Construction_4\DPM_sch_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Construction_4\DPM_sch_NCAcuteRisk.csv

HRA ran successfully

HARP2 - HRACalc (dated 15065) 6/16/2015 9:36:19 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully

Start Age: 16
Total Exposure Duration: 2

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 2
16 to 70 Years Bin: 0

Pathways Enabled

Inhalation: True
Soil: True
Dermal: True
Mother's Milk: False
Water: False
Fish: False
Homegrown Crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

Calculating cancer risk

Cancer risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Construction_4\DPM_work_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Construction_4\DPM_work_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Construction_4\DPM_work_NCAcuteRisk.csv

HRA ran successfully

HARP2 - HRACalc (dated 15065) 6/16/2015 9:14:36 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

Pathways Enabled

Inhalation: True
Soil: True
Dermal: True
Mother's Milk: True
Water: False
Fish: False
Homegrown Crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

Calculating cancer risk

Cancer risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Operation_4\AltA_res_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Operation_4\AltA_res_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Operation_4\AltA_res_NCAcuteRisk.csv

HRA ran successfully

HARP2 - HRACalc (dated 15065) 6/16/2015 9:21:20 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully

Start Age: 14
Total Exposure Duration: 4

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 2
16<30 Years Bin: 2
16 to 70 Years Bin: 0

Pathways Enabled

Inhalation: True
Soil: True
Dermal: True
Mother's Milk: False
Water: False
Fish: False
Homegrown Crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

Calculating cancer risk

Cancer risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Operation_4\AltA_sch_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Operation_4\AltA_sch_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Operation_4\AltA_sch_NCAcuteRisk.csv

HRA ran successfully

HARP2 - HRACalc (dated 15065) 6/16/2015 9:17:58 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

Pathways Enabled

Inhalation: True
Soil: True
Dermal: True
Mother's Milk: False
Water: False
Fish: False
Homegrown Crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

Calculating cancer risk

Cancer risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Operation_4\AltA_work_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Operation_4\AltA_work_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\bboyes\OneDrive @ Yorke Engineering\Projects\North-South Project\HARP2 output files\Operation_4\AltA_work_NCAcuteRisk.csv

HRA ran successfully