URBAN CROSSROADS

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January 14, 2020

Mr. Jeremy Krout
EPD Solutions, Inc.
2030 Main Street, Suite 1200
Irvine, CA 92614

SUBJECT: CASA LOMA RESIDENTIAL FOCUSED AIR QUALITY AND GREENHOUSE GAS EMISSIONS MEMO

Dear Mr. Jeremy Krout:

Urban Crossroads, Inc. is pleased to provide the following Air Quality and Greenhouse Gas Emissions for Casa Loma Residential Project ("Project"), which is located on the southeast corner of Lugonia Avenue and Occidental Drive, in the City of Redlands as shown on Exhibit A.

SUMMARY OF FINDINGS

Results of the Memo indicate the construction and operations of the Project would result in less than significant impacts associated with air quality and greenhouse gas (GHG) emissions.

PROJECT DESCRIPTION

Exhibit B illustrates the site plan for the Project. As indicated on Exhibit B, the proposed Project consists of 147 multifamily housing dwelling units.

STANDARD REGULATORY REQUIREMENTS/BEST AVAILABLE CONTROL MEASURES (BACMS)

South Coast Air Quality Management District (SCAQMD) Rules that are currently applicable during construction activity for this Project include but are not limited to Rule 403 (Fugitive Dust) (1), Rule 1113 (Architectural Coatings) (2), Rule 445 (Wood Burning Devices). Implementation of these rules are required pursuant to existing law and therefore is considered part of the Project.

BACM AQ-1

All applicable measures included in Rule 403, shall be incorporated into Project plans and specifications as implementation of Rule 403, which include but are not limited to (1):

- All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions.
- The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are limited to 15 miles per hour or less.
- The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete coverage of disturbed

EXHIBIT A: LOCATION MAP

EXHIBIT B: SITE PLAN

areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day.

BACM AQ-2

The following measures shall be incorporated into Project plans and specifications as implementation of SCAQMD Rule 1113 (2):

- Only "Low-Volatile Organic Compounds (VOC)" paints (no more than 50 gram/liter of VOC) consistent with SCAQMD Rule 1113 shall be used.

BACM AQ-3

The following measures shall be incorporated into Project plans and specifications as implementation of SCAQMD Rule 445 (3):

- Rule 445 prohibits the use of wood burning stoves and fireplaces in new developments.

CALIFORNIA EMISSIONS ESTIMATOR MODEL™ EMPLOYED TO ESTIMATE AQ EMISSIONS

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

On October 17, 2017, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the California Emissions Estimator Model™ (CalEEMod) v2016.3.2. The purpose of this model is to more accurately calculate construction-source and operational-source criteria pollutant (Nitrogen Oxides (NO_X), VOC, Particulate Matter less than 10 microns (PM_{10}), Particulate Matter less than 2.5 microns ($PM_{2.5}$), Sulfur Oxides (SO_X), and Carbon Monoxide (CO)) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures. Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational impacts related to the Project. Outputs from the model runs are provided in Attachments A through C.

AIR QUALITY

REGIONAL EMISSIONS

CONSTRUCTION

The duration of construction activity was based on CalEEMod defaults. The number of days of construction are shown on Table 1. Equipment employed for Project construction activities are based on CalEEMod defaults, as shown on Table 2. The Project construction fleet may vary due to specific Project needs at any given time.

Grading Activities

The Project is anticipated to include soil export as a part of Project grading activities. Based on information provided by the Project applicant, the Project is expected require 12,600 cubic yards soil import. For purposes of analysis, the 12,600 cubic yards of import along with a model default hauling trip length of 20 miles has been utilized.

TABLE 1: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Site Preparation	04/01/2020	04/14/2020	10
Grading	04/15/2020	05/12/2020	20
Building Construction	05/13/2020	03/30/2021	230
Paving	03/31/2021	04/27/2021	20
Architectural Coating	04/28/2021	05/25/2021	20

TABLE 2: CONSTRUCTION EQUIPMENT

Activity	Equipment	Amount	Hours Per Day
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Crawler Tractors	3	8
	Excavators	1	8
	Graders	1	8
	Rubber Tired Dozers	1	8
Building Construction	Cranes	1	8
	Crawler Tractors	3	8
	Forklifts	3	8
	Generator Sets	1	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

Impacts without Mitigation

The estimated maximum daily construction emissions without mitigation are summarized on Table 3. Detailed construction model outputs are presented in Attachment A. Under the assumed construction modeling scenario discussed above, emissions resulting from the Project construction would not exceed criteria pollutant thresholds established by the SCAQMD for emissions of any criteria pollutant, and accordingly will not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard. Thus, a less than significant impact would occur for regional Project-related construction-source emissions and no mitigation is required.

TABLE 3: PROJECT CONSTRUCTION EMISSIONS AND REGIONAL THRESHOLDS – WITHOUT MITIGATION

Year	Emissions (lbs/day)					
	VOC	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Summer						
2020	5.65	79.72	27.92	0.16	11.48	6.65
2021	49.73	39.08	26.71	0.08	3.87	2.03
Winter						
2022	5.65	79.93	26.59	0.16	11.48	6.65
2023	49.73	39.06	25.47	0.07	3.87	2.03
Maximum Daily Emissions	**49.73**	**79.93**	**27.92**	**0.16**	**11.48**	**6.65**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

lbs/day = Pounds Per Day

Impacts with Mitigation

Although mitigation is not needed to reduce estimated maximum daily construction regional emissions, MM AQ-1 would be required to decrease localized emissions. Detailed construction model outputs are presented in Attachment B. Implementation of this localized emissions MM would further reduce already less-than-significant regional emissions as indicated at Table 4.

TABLE 4: PROJECT CONSTRUCTION EMISSIONS AND REGIONAL THRESHOLDS – WITH MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2020	4.05	69.80	29.93	0.16	10.36	5.66
2021	49.73	35.19	28.80	0.08	3.72	1.91
Winter						
2022	4.06	70.00	28.60	0.16	10.36	5.66
2023	49.73	35.18	27.57	0.07	3.72	1.91
Maximum Daily Emissions	**49.73**	**70.00**	**29.93**	**0.16**	**10.36**	**5.66**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

OPERATIONS

Operational activities associated with the Project would result in emissions of CO, VOCs, NO_X, SO_X, PM_{10}, and $PM_{2.5}$. Operational related emissions are expected from the following primary sources: area source emissions, energy source emissions, mobile source emissions, and on-site equipment emissions.

Area Source Emissions

Architectural Coatings – Over a period of time, the buildings that are part of this Project will be subject to emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings as part of Project maintenance. The emissions associated with architectural coatings were calculated using the CalEEMod.

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

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

Energy Source Emissions

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

Title 24 Energy Efficiency Standards – California's Energy Efficiency Standards for Residential and Nonresidential Buildings was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity. The 2019 version of Title 24 was adopted by the CEC and became effective on January 1, 2020. As a conservative measure, the analysis herein assumes compliance with the 2016 Title 24 Standards and no additional reduction for compliance with the 2019 standards have been taken.

Mobile Source Emissions

Project mobile source air quality emissions are primarily dependent on overall daily vehicle trip generation. The Project related operational air quality impacts derive primarily from vehicle trips generated by the Project. According to the *Casa Loma Residential Traffic Impact Analysis* (TIA) by Linscott Law & Greenspan, the Project would generate 1,076 trip-ends per (4).

REGIONAL OPERATIONAL EMISSIONS SUMMARY

Impacts without Mitigation

Table 5 summarizes the Project's daily regional emissions from on-going operations. Detailed construction model outputs are presented in Attachment C. During operational activity, the Project will not exceed any of the thresholds of significance, and accordingly will not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard. Thus, a less than significant impact would occur for regional Project-related operation-sources emissions, and no mitigation is required.

TABLE 5: PROJECT OPERATIONAL EMISSIONS AND REGIONAL THRESHOLDS – WITHOUT MITIGATION

Operational Activities – Summer Scenario	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Area Source	3.94	2.58	13.23	0.02	0.26	0.26
Energy Source	0.05	0.39	0.17	2.49E-03	0.03	0.03
Mobile	3.88	14.06	36.64	0.11	8.87	2.48
Total Maximum Daily Emissions	**7.87**	**17.03**	**50.03**	**0.12**	**9.17**	**2.78**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**
Operational Activities – Winter Scenario	**Emissions (lbs/day)**					
	VOC	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Area Source	3.94	2.58	13.23	0.02	0.26	0.26
Energy Source	0.05	0.39	0.17	2.49E-03	0.03	0.03
Mobile	3.58	14.51	31.84	0.10	8.87	2.48
Total Maximum Daily Emissions	**7.57**	**17.48**	**45.23**	**0.12**	**9.17**	**2.78**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

LOCALIZED EMISSIONS

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology) (5). The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs). The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4[1]. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses (5).

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

Sensitive Receptors

Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities. This Memorandum analyzes localized construction and operational emissions impacts at the nearest sensitive receptors.

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, individuals with pre-existing respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. Structures that house these persons or places where they gather to exercise are defined as "sensitive receptors"; they are also known to be locations where an individual can remain for 24 hours.

Project-related Sensitive Receptors

Sensitive receptors in the Project study area include existing residential homes. To assess the potential for localized impacts, sensitive receptor locations as shown on Exhibit A were identified as representative locations for analysis.

The SCAQMD recommends that the nearest sensitive receptor be considered when determining the Project's potential to cause an individual and cumulatively significant impact. As such, the nearest sensitive receptor for evaluation is an existing residential home located approximately 19 feet east of the Project at location R2. The *LST Methodology* explicitly states that "*It is possible that a project may have receptors closer than 25 meters. Projects with boundaries located closer than 25 meters to the nearest receptor should use the LSTs for receptors located at 25 meters* (5)." As the residential home is located less than 25-meters from the Project site, the 25-meter receptor distance will be used for evaluation of localized impacts.

EXHIBIT A: RECEPTOR LOCATIONS

LEGEND:

- Receiver Locations
- Distance from receiver to Project site boundary (in feet)
- 6' Existing Barrier Height (in feet)
- Existing Barrier

LOCALIZED CONSTRUCTION EMISSIONS SUMMARY

Impacts without Mitigation

Table 6 identifies the localized impacts at the nearest receptor location in the vicinity of the Project. Outputs from the model runs for construction LSTs are provided in Attachment A. Under the assumed construction modeling scenario (as previously discussed), emissions resulting from the Project construction have the potential to exceed the numerical thresholds of significance established by the SCAQMD PM_{10} during site preparation only. As such, the following MM is recommended:

MM AQ-1

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

TABLE 6: LOCALIZED SIGNIFICANCE SUMMARY OF CONSTRUCTION – WITHOUT MITIGATION

On-Site Site Preparation Emissions	Emissions (lbs/day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Maximum Daily Emissions	**63.79**	**22.39**	**11.28**	**6.59**
SCAQMD Localized Threshold	220	1,625	11	7
Threshold Exceeded?	**NO**	**NO**	**YES**	**NO**
On-Site Grading Emissions	**Emissions (lbs/day)**			
	NO_X	**CO**	**NO_X**	**$PM_{2.5}$**
Maximum Daily Emissions	**42.41**	**16.71**	**5.15**	**2.99**
SCAQMD Localized Threshold	187	1,324	8	6
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**

Impacts with Mitigation

Table 7 identifies the localized impacts at the nearest receptor location in the vicinity of the Project with implementation of MM AQ-1. After implementation of MM AQ-1, construction emissions would not exceed the applicable SCAQMD LSTs for any criteria pollutant. Therefore, a less than significant impact would occur. It should be noted that grading activity emissions have been omitted from Table 7 as this MM is not applicable to this phase. As such, the emissions presented in Table 7 reflect preparation "Impacts with Mitigation" results only.

TABLE 7: LOCALIZED SIGNIFICANCE SUMMARY OF CONSTRUCTION - WITH MITIGATION

On-Site Site Preparation Emissions	Emissions (lbs/day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Maximum Daily Emissions	**41.44**	**25.98**	**10.15**	**5.60**
SCAQMD Localized Threshold	220	1,625	11	7
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**

CO "HOT SPOT" ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or "hot spots."

At the time of the 1993 Handbook, the South Coast Air Basin (SCAB) was designated nonattainment under the CAAQS and NAAQS for CO (6).

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

To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO "hot spot" analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This "hot spot" analysis did not predict any violation of CO standards, as shown on Table 8.

TABLE 8: CO MODEL RESULTS

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

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection.

As evidence of this, for example, 9.3 ppm 8-hr CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (highest CO generating intersection within the "hot spot" analysis), only 0.7 ppm was attributable to the traffic volumes and congestion at this intersection; the remaining 8.6 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (7). In contrast, an adverse CO concentration, known as a "hot spot", would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur. The ambient 1-hr and 8-hr CO concentration within the Project study area is estimated to be 4.7 ppm and 3.5 ppm, respectively (data from South Central Los Angeles County Monitoring Station for 2018). Therefore, even if the traffic volumes for the proposed Project were double or even triple of the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, coupled with the on-going improvements in ambient air quality, the Project would not be capable of resulting in a CO "hot spot" at any study area intersections. Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour (vph) — or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (8).

Traffic volumes generating the CO concentrations for the "hot spot" analysis, shown on Table 9. The busiest intersection evaluated was that at Wilshire Blvd. and Veteran Ave., which has a daily traffic volume of approximately 100,000 vehicles per day. The 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm; this indicates that, should the daily traffic volume increase four times to 400,000 vehicles per day, CO concentrations (4.6 ppm x 4= 18.4 ppm) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm).[2] At buildout of the Project, the highest daily traffic volumes generated at the roadways within the vicinity of the Project are expected to generate less than the highest daily traffic volumes generated at the busiest intersection in the CO "hot spot" analysis. As such, the Project would not likely exceed the most stringent 1-hour CO standard.

TABLE 9: TRAFFIC VOLUMES

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

2 Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm).

AIR QUALITY MANAGEMENT PLANNING

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

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

In March 2017, the AQMD released the Final 2016 AQMP. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as, explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (9). Similar to the 2012 AQMP, the 2016 AQMP incorporates scientific and technological information and planning assumptions, including the 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), a planning document that supports the integration of land use and transportation to help the region meet the federal Clean Air Act requirements (10). The Project's consistency with the AQMP will be determined using the 2016 AQMP as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the SCAQMD's California Environmental Quality Act (CEQA) Air Quality Handbook (1993) (11). These indicators are discussed below:

Consistency Criterion No. 1: The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

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

Construction Impacts – Consistency Criterion 1

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

Operational Impacts – Consistency Criterion 1

As evaluated, the Project's regional and localized operational-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

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

Consistency Criterion No. 2: The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

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

Construction Impacts – Consistency Criterion 2

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities.

Operational Impacts – Consistency Criterion 2

As per the City's General Plan Land Use Map, the Project site is designated for Low Density Residential and High Density Residential uses. Low Density Residential designated areas are intended to be developed at densities of up to 6 du/ac. This category is not intended to be applied in areas where slopes exceed 15 percent. The intent of this land use category is to provide for areas of single-family residential developments. Consistent lots sizes include 7,200 square feet (6.0 units per gross acre) and 10,000 square feet (4.3 units per gross acre). The High Density Residential areas are intended to be developed at up to 27 du/ac. The intent of this land use category is to provide for the development of attached, detached, and/or mixed residential uses with a range of densities and housing types. The Project consist of the development of Project consists of 147 multifamily housing dwelling units which is generally consistent with the City's land use designation.

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

AQMP Consistency Conclusion

The Project would not have the potential to result in or cause NAAQS or CAAQS violations. The Project's development intensity is consistent with than the development intensities allowed within the General Plan. Additionally, Project construction and operational-source emissions would not exceed the regional

or localized significance thresholds as previously indicated. The Project is therefore considered to be consistent with the AQMP.

ODORS

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

Agricultural uses (livestock and farming)

Wastewater treatment plants

Food processing plants

Chemical plants

Composting operations

Refineries

Landfills

Dairies

Fiberglass molding facilities

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City's solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required (12).

CUMULATIVE IMPACTS

The CAAQS designate the Project site as nonattainment for O_3 PM_{10}, and $PM_{2.5}$ while the NAAQS designates the Project site as nonattainment for O_3 and $PM_{2.5}$.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (13). In this report the AQMD clearly states (Page D-3):

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

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

Construction Impacts

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

Operational Impacts

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

GREENHOUSE GAS

The City of Redlands has an adopted Climate Action Plan (CAP) (adopted December 5, 2017) (14) however the CAP does not itself establish a numeric threshold of significance for determining impacts with respect to GHG emissions. Notwithstanding, the City has utilized a screening threshold of 3,000

metric tons of carbon dioxide equivalent ($MTCO_2e$) per year to determine if additional analysis is required. This approach is a widely accepted screening threshold used by the City of Redlands and numerous agencies in the SCAB.

EMISSIONS SUMMARY

The annual GHG emissions associated with the operation of the proposed Project are estimated to be 1,983.74 $MTCO_2e$ per year as summarized in Table 10. Direct and indirect operational emissions associated with the Project are compared with the SCAQMD's proposed Tier 3 threshold of significance for non-industrial projects, which is 3,000 $MTCO_2e$ per year. As shown, the proposed Project would result in a less than significant impact with respect to GHG emissions.

Further, the Project will comply with all applicable regulations intended to reduce GHG-emissions. In fact, the Project will be 15 percent more energy efficient than required by Chapter 6 of Title 24 of the California Code of Regulations. Finally, the Project is consistent with the general use designation, density, building intensity, and applicable policies specified for the Project area in SCAG's Sustainable Community Strategy/ Regional Transportation Plan, which pursuant to SB 375 calls for the integration of transportation, land-use and housing policies to plan for achievement of the GHG-emissions target for the region. Thus, a less than significant impact related to GHG emissions from Project construction and operation would occur and no mitigation is required.

TABLE 10: TOTAL PROJECT GHG EMISSIONS (ANNUAL)

Emission Source	Emissions (MT/yr)			
	CO_2	CH_4	N_2O	Total CO_2e
Annual construction-related emissions amortized over 30 years	32.41	0.01	0.00	32.55
Area	37.78	3.10E-03	6.50E-04	38.06
Energy	271.77	0.01	3.13E-03	272.94
Mobile Sources	1,529.70	0.09	0.00	1,531.83
Waste	13.73	0.81	0.00	34.01
Water Usage	64.15	0.31	0.01	74.36
Total CO_2e (All Sources)	**1,983.74**			
Screening Threshold (CO_2e)	**3,000**			
Threshold Exceeded?	**NO**			

MT/yr = Metric Tons per Year

If you have any questions, please contact me directly at (949) 336-5987.

Respectfully submitted,

URBAN CROSSROADS, INC.

Haseeb Qureshi,
Associate Principal

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10. **Southern California Association of Governments.** 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy. [Online] April 2016. http://scagrtpscs.net/Documents/2016/final/f2016RTPSCS.pdf.
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13. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. http://www.aqmd.gov/rules/ciwg/final_white_paper.pdf.
14. **City of Redlands.** *Climate Action Plan.* 2017.

ATTACHMENT A:

CALEEMOD CONSTRUCTION (UNMITIGATED) EMISSIONS MODEL OUTPUTS

Casa Loma Residential (Construction - Unmitigated)

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.95	1000sqft	0.66	28,953.00	0
Other Non-Asphalt Surfaces	127.76	1000sqft	2.93	127,762.00	0
Parking Lot	179.00	Space	0.73	31,650.00	0
Apartments Low Rise	147.00	Dwelling Unit	1.14	149,048.00	394

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Other Non-Asphalt Surfaces = Landscape, Open Space, and Parking Landscape areas. Parking Lot = Carport and Open Stall Spaces. Other Asphalt Surfaces = Paved Areas.

Construction Phase -

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

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Grading - For purposes of analysis, total acres graded per day is based on the equipment specific grading rates (CalEEMod Appendix A) and the equipment list.

Vehicle Trips - Construction Run Only.

Woodstoves - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
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tblFireplaces	FireplaceHourDay	3.00	0.00
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tblFireplaces	NumberGas	124.95	0.00
tblFireplaces	NumberNoFireplace	14.70	0.00
tblFireplaces	NumberWood	7.35	0.00
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tblLandUse	LandUseSquareFeet	147,000.00	149,048.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT2	6.9330e-003	4.8260e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.06
tblVehicleEF	LDT2	1.85	2.89
tblVehicleEF	LDT2	363.70	344.02
tblVehicleEF	LDT2	81.97	72.94
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16

tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.6440e-003	3.4040e-003
tblVehicleEF	LDT2	8.5100e-004	7.2200e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	7.8730e-003	5.5090e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.30
tblVehicleEF	LDT2	1.53	2.39
tblVehicleEF	LDT2	397.09	369.57
tblVehicleEF	LDT2	81.97	71.94
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	3.9810e-003	3.6570e-003
tblVehicleEF	LDT2	8.4600e-004	7.1200e-004
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	6.7430e-003	4.7100e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.01
tblVehicleEF	LDT2	1.82	2.84
tblVehicleEF	LDT2	355.82	337.97
tblVehicleEF	LDT2	81.97	72.85
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.12	0.38

tblVehicleEF	LDT2	3.5650e-003	3.3440e-003
tblVehicleEF	LDT2	8.5100e-004	7.2100e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.4860e-003	4.9840e-003
tblVehicleEF	LHD1	0.01	7.1410e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.99
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.26	1.69
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004

tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6200e-004	1.0900e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.0000e-003
tblVehicleEF	LHD1	0.01	7.3180e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.18	0.99
tblVehicleEF	LHD1	2.58	1.00
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.98
tblVehicleEF	LHD1	30.92	10.87
tblVehicleEF	LHD1	0.09	0.08

tblVehicleEF	LHD1	2.12	1.58
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0370e-003	6.3960e-003
tblVehicleEF	LHD1	3.5800e-004	1.0800e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	4.9870e-003

tblVehicleEF	LHD1	0.01	7.1590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.72	1.05
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.96
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.22	1.66
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003

tblVehicleEF	LHD1	3.6100e-004	1.0800e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.4060e-003
tblVehicleEF	LHD2	5.2410e-003	4.5240e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.29	0.64
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.51
tblVehicleEF	LHD2	24.89	7.96
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.69	1.81
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004

tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7300e-004	7.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4160e-003
tblVehicleEF	LHD2	5.3190e-003	4.5750e-003
tblVehicleEF	LHD2	8.7380e-003	9.6870e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.56	0.62
tblVehicleEF	LHD2	1.21	0.60
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.89
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.70

tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7100e-004	7.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4070e-003
tblVehicleEF	LHD2	5.2490e-003	4.5300e-003
tblVehicleEF	LHD2	9.0820e-003	0.01

tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.27	0.63
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.94
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.67	1.78
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7200e-004	7.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	21.16
tblVehicleEF	MCY	9.91	8.77
tblVehicleEF	MCY	167.12	211.16
tblVehicleEF	MCY	46.87	61.87
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.26	2.26
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.17	1.92
tblVehicleEF	MCY	2.0790e-003	2.0900e-003
tblVehicleEF	MCY	6.9500e-004	6.1200e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80

tblVehicleEF	MCY	2.76	2.76
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.37	2.08
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	21.29
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	211.14
tblVehicleEF	MCY	46.87	59.68
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.19	2.19
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0790e-003	2.0890e-003
tblVehicleEF	MCY	6.7100e-004	5.9100e-004
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.69	2.68
tblVehicleEF	MCY	0.50	2.09

tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	20.18
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	209.47
tblVehicleEF	MCY	46.87	61.06
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.22	2.22
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.10	1.84
tblVehicleEF	MCY	2.0630e-003	2.0730e-003
tblVehicleEF	MCY	6.8600e-004	6.0400e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.71	2.71
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.28	2.00
tblVehicleEF	MDV	0.01	6.6050e-003

tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.33
tblVehicleEF	MDV	3.59	3.53
tblVehicleEF	MDV	498.66	425.70
tblVehicleEF	MDV	110.76	90.07
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	5.0000e-003	4.2090e-003
tblVehicleEF	MDV	1.1710e-003	8.9100e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	0.02	7.4780e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.60

tblVehicleEF	MDV	2.99	2.92
tblVehicleEF	MDV	542.90	452.84
tblVehicleEF	MDV	110.76	88.84
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	5.4470e-003	4.4780e-003
tblVehicleEF	MDV	1.1600e-003	8.7900e-004
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.46
tblVehicleEF	MDV	0.01	6.4310e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.47
tblVehicleEF	MDV	488.33	419.25

tblVehicleEF	MDV	110.76	89.97
tblVehicleEF	MDV	0.19	0.13
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.28	0.49
tblVehicleEF	MDV	4.8960e-003	4.1450e-003
tblVehicleEF	MDV	1.1700e-003	8.9000e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.60	0.37
tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.70

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.74	0.37
tblVehicleEF	MH	6.31	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.42

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.0900e-004	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.61	0.37
tblVehicleEF	MH	6.87	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.61	4.62

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.1900e-004	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MHD	0.02	3.2250e-003
tblVehicleEF	MHD	4.1450e-003	6.0340e-003
tblVehicleEF	MHD	0.06	8.8310e-003
tblVehicleEF	MHD	0.33	0.34
tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	6.00	1.03
tblVehicleEF	MHD	155.10	71.06

tblVehicleEF	MHD	1,105.72	1,029.53
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tblVehicleEF	MHD	1.08	2.22
tblVehicleEF	MHD	4.3700e-004	2.0190e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	4.1800e-004	1.9320e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4400e-004	8.3000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05

tblVehicleEF	MHD	0.02	3.0610e-003
tblVehicleEF	MHD	4.2290e-003	6.0860e-003
tblVehicleEF	MHD	0.05	8.4200e-003
tblVehicleEF	MHD	0.24	0.28
tblVehicleEF	MHD	0.32	0.56
tblVehicleEF	MHD	5.61	0.96
tblVehicleEF	MHD	164.29	72.29
tblVehicleEF	MHD	1,105.72	1,029.54
tblVehicleEF	MHD	53.92	8.32
tblVehicleEF	MHD	0.65	0.62
tblVehicleEF	MHD	1.01	2.09
tblVehicleEF	MHD	3.6900e-004	1.7050e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	3.5300e-004	1.6310e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	1.5770e-003	6.8600e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.3800e-004	8.2000e-005

tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	0.02	3.4660e-003
tblVehicleEF	MHD	4.1530e-003	6.0380e-003
tblVehicleEF	MHD	0.06	8.7320e-003
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	5.90	1.02
tblVehicleEF	MHD	142.41	69.34
tblVehicleEF	MHD	1,105.72	1,029.53
tblVehicleEF	MHD	53.92	8.40
tblVehicleEF	MHD	0.60	0.60
tblVehicleEF	MHD	1.06	2.18
tblVehicleEF	MHD	5.3200e-004	2.4540e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	5.0900e-004	2.3480e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02

tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4300e-004	8.3000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.39	0.05
tblVehicleEF	OBUS	0.01	9.3650e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49
tblVehicleEF	OBUS	0.73	1.19
tblVehicleEF	OBUS	6.67	2.81
tblVehicleEF	OBUS	70.21	68.33
tblVehicleEF	OBUS	1,126.32	1,507.23
tblVehicleEF	OBUS	71.08	22.19
tblVehicleEF	OBUS	0.32	0.39
tblVehicleEF	OBUS	1.10	1.47
tblVehicleEF	OBUS	1.1300e-004	1.5090e-003
tblVehicleEF	OBUS	5.4210e-003	0.03

tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.0800e-004	1.4440e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	6.5300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.2000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.3930e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.47
tblVehicleEF	OBUS	0.75	1.22
tblVehicleEF	OBUS	6.11	2.57

tblVehicleEF	OBUS	73.34	68.71
tblVehicleEF	OBUS	1,126.32	1,507.28
tblVehicleEF	OBUS	71.08	21.80
tblVehicleEF	OBUS	0.33	0.39
tblVehicleEF	OBUS	1.02	1.35
tblVehicleEF	OBUS	9.5000e-005	1.2750e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	9.1000e-005	1.2200e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	7.1200e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.1600e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.31

tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	9.3640e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.51
tblVehicleEF	OBUS	0.73	1.19
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tblVehicleEF	OBUS	1.3700e-004	1.8320e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.3100e-004	1.7520e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.4100e-004	6.4800e-004
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	8.2700e-004	2.1900e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
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tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3980e-003
tblVehicleEF	SBUS	0.07	3.9120e-003
tblVehicleEF	SBUS	5.64	1.82
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.49	0.54
tblVehicleEF	SBUS	1,270.71	336.96
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.11
tblVehicleEF	SBUS	12.46	3.45
tblVehicleEF	SBUS	5.17	5.36
tblVehicleEF	SBUS	0.01	4.4720e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	4.2790e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005

tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	3.2020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
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tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.31	0.02
tblVehicleEF	SBUS	0.86	0.04
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tblVehicleEF	SBUS	0.72	0.64
tblVehicleEF	SBUS	3.76	0.38
tblVehicleEF	SBUS	1,335.64	345.46
tblVehicleEF	SBUS	1,144.20	1,143.58
tblVehicleEF	SBUS	36.06	2.85
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tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	3.6140e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.67	0.19
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	3.2820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	2.8000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.96	0.27
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.25	0.02
tblVehicleEF	SBUS	0.86	0.04

tblVehicleEF	SBUS	0.01	7.3930e-003
tblVehicleEF	SBUS	0.07	4.0100e-003
tblVehicleEF	SBUS	5.85	1.87
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.54	0.56
tblVehicleEF	SBUS	1,181.05	325.23
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.14
tblVehicleEF	SBUS	11.91	3.35
tblVehicleEF	SBUS	5.09	5.28
tblVehicleEF	SBUS	0.02	5.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.02	5.1960e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.0910e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.03
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.79	32.64
tblVehicleEF	UBUS	14.93	1.46
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.41
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	0.66	0.06

tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.19	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.7200e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.30	0.08
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.90	32.64
tblVehicleEF	UBUS	12.23	1.20
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	16.98
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01

tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	0.67	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.5760e-003	1.6800e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	2.69	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.16	0.07
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	32.64
tblVehicleEF	UBUS	14.43	1.42
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.36
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004

tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.17	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6140e-003	1.7200e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.28	0.08
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00

tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWater	IndoorWaterUseRate	9,577,641.77	0.00
tblWater	OutdoorWaterUseRate	6,038,078.50	0.00
tblWoodstoves	NumberCatalytic	7.35	0.00
tblWoodstoves	NumberNoncatalytic	7.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.6521	79.7247	27.9152	0.1642	21.9792	2.7888	24.7681	10.3848	2.5657	12.9506	0.0000	17,015.5673	17,015.5673	2.0598	0.0000	17,067.0633
2021	49.7306	39.0795	26.7068	0.0760	2.3689	1.4973	3.8662	0.6351	1.3972	2.0322	0.0000	7,476.0484	7,476.0484	1.2630	0.0000	7,507.6241
Maximum	**49.7306**	**79.7247**	**27.9152**	**0.1642**	**21.9792**	**2.7888**	**24.7681**	**10.3848**	**2.5657**	**12.9506**	**0.0000**	**17,015.5673**	**17,015.5673**	**2.0598**	**0.0000**	**17,067.0633**

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					
2020	5.6521	79.7247	27.9152	0.1642	8.6946	2.7888	11.4835	4.0826	2.5657	6.6484	0.0000	17,015.5673	17,015.5673	2.0598	0.0000	17,067.0633
2021	49.7306	39.0795	26.7068	0.0760	2.3689	1.4973	3.8662	0.6351	1.3972	2.0322	0.0000	7,476.0484	7,476.0484	1.2630	0.0000	7,507.6241
Maximum	**49.7306**	**79.7247**	**27.9152**	**0.1642**	**8.6946**	**2.7888**	**11.4835**	**4.0826**	**2.5657**	**6.6484**	**0.0000**	**17,015.5673**	**17,015.5673**	**2.0598**	**0.0000**	**17,067.0633**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.56**	**0.00**	**46.39**	**57.19**	**0.00**	**42.06**	**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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
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	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
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	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/14/2020	5	10	
2	Grading	Grading	4/15/2020	5/12/2020	5	20	
3	Building Construction	Building Construction	5/13/2020	3/30/2021	5	230	
4	Paving	Paving	3/31/2021	4/27/2021	5	20	
5	Architectural Coating	Architectural Coating	4/28/2021	5/25/2021	5	20	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 50

Acres of Paving: 4.32

Residential Indoor: 301,822; Residential Outdoor: 100,607; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,302 (Architectural Coating – sqft)

OffRoad Equipment

Casa Loma Residential (Construction - Unmitigated) - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	3,025.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	5.5539	63.7874	22.3947	0.0570		2.7875	2.7875		2.5645	2.5645		5,523.5812	5,523.5812	1.7864		5,568.2421
Total	**5.5539**	**63.7874**	**22.3947**	**0.0570**	**21.7780**	**2.7875**	**24.5655**	**10.3315**	**2.5645**	**12.8960**		**5,523.5812**	**5,523.5812**	**1.7864**		**5,568.2421**

3.2 Site Preparation - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0631	0.8095	2.0400e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		203.4151	203.4151	6.2100e-003		203.5704
Total	**0.0982**	**0.0631**	**0.8095**	**2.0400e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**203.4151**	**203.4151**	**6.2100e-003**		**203.5704**

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					8.4934	0.0000	8.4934	4.0293	0.0000	4.0293			0.0000			0.0000
Off-Road	5.5539	63.7874	22.3947	0.0570		2.7875	2.7875		2.5645	2.5645	0.0000	5,523.5812	5,523.5812	1.7864		5,568.2421
Total	**5.5539**	**63.7874**	**22.3947**	**0.0570**	**8.4934**	**2.7875**	**11.2809**	**4.0293**	**2.5645**	**6.5938**	**0.0000**	**5,523.5812**	**5,523.5812**	**1.7864**		**5,568.2421**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0631	0.8095	2.0400e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		203.4151	203.4151	6.2100e-003		203.5704
Total	**0.0982**	**0.0631**	**0.8095**	**2.0400e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**203.4151**	**203.4151**	**6.2100e-003**		**203.5704**

3.3 Grading - 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					
Fugitive Dust					8.8102	0.0000	8.8102	3.6172	0.0000	3.6172			0.0000			0.0000
Off-Road	3.5369	42.4134	16.7138	0.0439		1.7160	1.7160		1.5787	1.5787		4,251.3448	4,251.3448	1.3750		4,285.7191
Total	**3.5369**	**42.4134**	**16.7138**	**0.0439**	**8.8102**	**1.7160**	**10.5262**	**3.6172**	**1.5787**	**5.1960**		**4,251.3448**	**4,251.3448**	**1.3750**		**4,285.7191**

3.3 Grading - 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	lb/day										lb/day					
Hauling	0.9396	37.2587	5.4981	0.1187	2.6470	0.1110	2.7580	0.7257	0.1062	0.8319		12,594.7098	12,594.7098	0.6797		12,611.7022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
Total	**1.0215**	**37.3112**	**6.1727**	**0.1204**	**2.8147**	**0.1121**	**2.9268**	**0.7702**	**0.1072**	**0.8774**		**12,764.2225**	**12,764.2225**	**0.6849**		**12,781.3442**

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					3.4360	0.0000	3.4360	1.4107	0.0000	1.4107			0.0000			0.0000
Off-Road	3.5369	42.4134	16.7138	0.0439		1.7160	1.7160		1.5787	1.5787	0.0000	4,251.3448	4,251.3448	1.3750		4,285.7191
Total	**3.5369**	**42.4134**	**16.7138**	**0.0439**	**3.4360**	**1.7160**	**5.1520**	**1.4107**	**1.5787**	**2.9895**	**0.0000**	**4,251.3448**	**4,251.3448**	**1.3750**		**4,285.7191**

3.3 Grading - 2020

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	0.9396	37.2587	5.4981	0.1187	2.6470	0.1110	2.7580	0.7257	0.1062	0.8319		12,594.7098	12,594.7098	0.6797		12,611.7022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
Total	**1.0215**	**37.3112**	**6.1727**	**0.1204**	**2.8147**	**0.1121**	**2.9268**	**0.7702**	**0.1072**	**0.8774**		**12,764.2225**	**12,764.2225**	**0.6849**		**12,781.3442**

3.4 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	3.3632	36.6770	18.6286	0.0430		1.6373	1.6373		1.5290	1.5290		4,114.5597	4,114.5597	1.1279		4,142.7566
Total	**3.3632**	**36.6770**	**18.6286**	**0.0430**		**1.6373**	**1.6373**		**1.5290**	**1.5290**		**4,114.5597**	**4,114.5597**	**1.1279**		**4,142.7566**

3.4 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	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	0.1427	4.9599	0.9666	0.0128	0.3010	0.0228	0.3239	0.0867	0.0218	0.1085		1,344.6765	1,344.6765	0.0873		1,346.8600
Worker	1.0097	0.6480	8.3199	0.0210	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		2,090.6556	2,090.6556	0.0638		2,092.2512
Total	**1.1524**	**5.6079**	**9.2866**	**0.0338**	**2.3689**	**0.0364**	**2.4053**	**0.6351**	**0.0343**	**0.6694**		**3,435.3321**	**3,435.3321**	**0.1512**		**3,439.1112**

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	3.3632	36.6770	18.6286	0.0430		1.6373	1.6373		1.5290	1.5290	0.0000	4,114.5597	4,114.5597	1.1279		4,142.7566
Total	**3.3632**	**36.6770**	**18.6286**	**0.0430**		**1.6373**	**1.6373**		**1.5290**	**1.5290**	**0.0000**	**4,114.5597**	**4,114.5597**	**1.1279**		**4,142.7566**

3.4 Building Construction - 2020

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	0.1427	4.9599	0.9666	0.0128	0.3010	0.0228	0.3239	0.0867	0.0218	0.1085		1,344.6765	1,344.6765	0.0873		1,346.8600
Worker	1.0097	0.6480	8.3199	0.0210	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		2,090.6556	2,090.6556	0.0638		2,092.2512
Total	**1.1524**	**5.6079**	**9.2866**	**0.0338**	**2.3689**	**0.0364**	**2.4053**	**0.6351**	**0.0343**	**0.6694**		**3,435.3321**	**3,435.3321**	**0.1512**		**3,439.1112**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775		4,114.4297	4,114.4297	1.1209		4,142.4520
Total	**3.1137**	**33.9659**	**18.1952**	**0.0430**		**1.4763**	**1.4763**		**1.3775**	**1.3775**		**4,114.4297**	**4,114.4297**	**1.1209**		**4,142.4520**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1216	4.5326	0.8529	0.0127	0.3010	7.7700e-003	0.3088	0.0867	7.4300e-003	0.0941		1,337.5698	1,337.5698	0.0845		1,339.6830
Worker	0.9400	0.5810	7.6587	0.0203	2.0679	0.0132	2.0811	0.5484	0.0122	0.5606		2,024.0490	2,024.0490	0.0576		2,025.4891
Total	**1.0616**	**5.1136**	**8.5116**	**0.0330**	**2.3689**	**0.0210**	**2.3899**	**0.6351**	**0.0196**	**0.6547**		**3,361.6187**	**3,361.6187**	**0.1421**		**3,365.1721**

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	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775	0.0000	4,114.4297	4,114.4297	1.1209		4,142.4520
Total	**3.1137**	**33.9659**	**18.1952**	**0.0430**		**1.4763**	**1.4763**		**1.3775**	**1.3775**	**0.0000**	**4,114.4297**	**4,114.4297**	**1.1209**		**4,142.4520**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1216	4.5326	0.8529	0.0127	0.3010	7.7700e-003	0.3088	0.0867	7.4300e-003	0.0941		1,337.5698	1,337.5698	0.0845		1,339.6830
Worker	0.9400	0.5810	7.6587	0.0203	2.0679	0.0132	2.0811	0.5484	0.0122	0.5606		2,024.0490	2,024.0490	0.0576		2,025.4891
Total	**1.0616**	**5.1136**	**8.5116**	**0.0330**	**2.3689**	**0.0210**	**2.3899**	**0.6351**	**0.0196**	**0.6547**		**3,361.6187**	**3,361.6187**	**0.1421**		**3,365.1721**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4376**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4376**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.2507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079
Total	**49.5426**	**2.0358**	**2.4234**	**3.9600e-003**		**0.1255**	**0.1255**		**0.1255**	**0.1255**		**375.2641**	**375.2641**	**0.0258**		**375.9079**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1880	0.1162	1.5317	4.0700e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		404.8098	404.8098	0.0115		405.0978
Total	**0.1880**	**0.1162**	**1.5317**	**4.0700e-003**	**0.4136**	**2.6500e-003**	**0.4162**	**0.1097**	**2.4400e-003**	**0.1121**		**404.8098**	**404.8098**	**0.0115**		**405.0978**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.2507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079
Total	**49.5426**	**2.0358**	**2.4234**	**3.9600e-003**		**0.1255**	**0.1255**		**0.1255**	**0.1255**	**0.0000**	**375.2641**	**375.2641**	**0.0258**		**375.9079**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1880	0.1162	1.5317	4.0700e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		404.8098	404.8098	0.0115		405.0978
Total	**0.1880**	**0.1162**	**1.5317**	**4.0700e-003**	**0.4136**	**2.6500e-003**	**0.4162**	**0.1097**	**2.4400e-003**	**0.1121**		**404.8098**	**404.8098**	**0.0115**		**405.0978**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
Unmitigated	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446

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	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**		**0.0671**	**0.0671**		**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**		**0.0671**	**0.0671**		**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Casa Loma Residential (Construction - Unmitigated)

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.95	1000sqft	0.66	28,953.00	0
Other Non-Asphalt Surfaces	127.76	1000sqft	2.93	127,762.00	0
Parking Lot	179.00	Space	0.73	31,650.00	0
Apartments Low Rise	147.00	Dwelling Unit	1.14	149,048.00	394

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Other Non-Asphalt Surfaces = Landscape, Open Space, and Parking Landscape areas. Parking Lot = Carport and Open Stall Spaces. Other Asphalt Surfaces = Paved Areas.

Construction Phase -

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

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Grading - For purposes of analysis, total acres graded per day is based on the equipment specific grading rates (CalEEMod Appendix A) and the equipment list.

Vehicle Trips - Construction Run Only.

Woodstoves - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	877.14	0.00
tblEnergyUse	T24NG	9,544.50	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00

tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	124.95	0.00
tblFireplaces	NumberNoFireplace	14.70	0.00
tblFireplaces	NumberWood	7.35	0.00
tblGrading	AcresOfGrading	40.00	50.00
tblGrading	AcresOfGrading	20.00	35.00
tblGrading	MaterialImported	0.00	24,200.00
tblLandUse	LandUseSquareFeet	71,600.00	31,650.00
tblLandUse	LandUseSquareFeet	147,000.00	149,048.00
tblLandUse	LotAcreage	1.61	0.73
tblLandUse	LotAcreage	9.19	1.14
tblLandUse	Population	420.00	394.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	67.62	0.00
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.82
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.92	2.4420e-003
tblVehicleEF	HHD	6,983.95	1,459.93

tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.07	7.65
tblVehicleEF	HHD	2.87	3.24
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
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tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	1.02	0.68

tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
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tblVehicleEF	HHD	1,493.95	1,411.06
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tblVehicleEF	HHD	28.97	7.40
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
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tblVehicleEF	HHD	5.0000e-005	1.0000e-006
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tblVehicleEF	HHD	3.9090e-003	1.4800e-004

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tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
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tblVehicleEF	HHD	0.13	0.16
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tblVehicleEF	HHD	0.02	0.01

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8160e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
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tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
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tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDA	0.05	0.07
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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
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tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
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tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.5640e-003	2.6070e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
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tblVehicleEF	LDT1	1.71	1.63
tblVehicleEF	LDT1	4.02	2.54
tblVehicleEF	LDT1	323.73	319.09
tblVehicleEF	LDT1	72.77	67.44
tblVehicleEF	LDT1	0.18	0.15

tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.29	0.48
tblVehicleEF	LDT1	3.2600e-003	3.1580e-003
tblVehicleEF	LDT1	7.9900e-004	6.6700e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT1	0.02	9.2860e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	1.97
tblVehicleEF	LDT1	3.30	2.10
tblVehicleEF	LDT1	352.65	345.09
tblVehicleEF	LDT1	72.77	66.47
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003

tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4150e-003
tblVehicleEF	LDT1	7.8600e-004	6.5800e-004
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	7.9980e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.55
tblVehicleEF	LDT1	3.95	2.49
tblVehicleEF	LDT1	316.91	312.93
tblVehicleEF	LDT1	72.77	67.36
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003

tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.0970e-003
tblVehicleEF	LDT1	7.9800e-004	6.6700e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT2	6.9330e-003	4.8260e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.06
tblVehicleEF	LDT2	1.85	2.89
tblVehicleEF	LDT2	363.70	344.02
tblVehicleEF	LDT2	81.97	72.94
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16

tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.6440e-003	3.4040e-003
tblVehicleEF	LDT2	8.5100e-004	7.2200e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	7.8730e-003	5.5090e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.30
tblVehicleEF	LDT2	1.53	2.39
tblVehicleEF	LDT2	397.09	369.57
tblVehicleEF	LDT2	81.97	71.94
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	3.9810e-003	3.6570e-003
tblVehicleEF	LDT2	8.4600e-004	7.1200e-004
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	6.7430e-003	4.7100e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.01
tblVehicleEF	LDT2	1.82	2.84
tblVehicleEF	LDT2	355.82	337.97
tblVehicleEF	LDT2	81.97	72.85
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.12	0.38

tblVehicleEF	LDT2	3.5650e-003	3.3440e-003
tblVehicleEF	LDT2	8.5100e-004	7.2100e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.4860e-003	4.9840e-003
tblVehicleEF	LHD1	0.01	7.1410e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.99
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.26	1.69
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004

tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6200e-004	1.0900e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.0000e-003
tblVehicleEF	LHD1	0.01	7.3180e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.18	0.99
tblVehicleEF	LHD1	2.58	1.00
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.98
tblVehicleEF	LHD1	30.92	10.87
tblVehicleEF	LHD1	0.09	0.08

tblVehicleEF	LHD1	2.12	1.58
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0370e-003	6.3960e-003
tblVehicleEF	LHD1	3.5800e-004	1.0800e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	4.9870e-003

tblVehicleEF	LHD1	0.01	7.1590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.72	1.05
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.96
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.22	1.66
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003

tblVehicleEF	LHD1	3.6100e-004	1.0800e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.4060e-003
tblVehicleEF	LHD2	5.2410e-003	4.5240e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.29	0.64
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.51
tblVehicleEF	LHD2	24.89	7.96
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.69	1.81
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004

tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7300e-004	7.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4160e-003
tblVehicleEF	LHD2	5.3190e-003	4.5750e-003
tblVehicleEF	LHD2	8.7380e-003	9.6870e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.56	0.62
tblVehicleEF	LHD2	1.21	0.60
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.89
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.70

tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7100e-004	7.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4070e-003
tblVehicleEF	LHD2	5.2490e-003	4.5300e-003
tblVehicleEF	LHD2	9.0820e-003	0.01

tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.27	0.63
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.94
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.67	1.78
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7200e-004	7.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	21.16
tblVehicleEF	MCY	9.91	8.77
tblVehicleEF	MCY	167.12	211.16
tblVehicleEF	MCY	46.87	61.87
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.26	2.26
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.17	1.92
tblVehicleEF	MCY	2.0790e-003	2.0900e-003
tblVehicleEF	MCY	6.9500e-004	6.1200e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80

tblVehicleEF	MCY	2.76	2.76
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.37	2.08
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	21.29
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	211.14
tblVehicleEF	MCY	46.87	59.68
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.19	2.19
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0790e-003	2.0890e-003
tblVehicleEF	MCY	6.7100e-004	5.9100e-004
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.69	2.68
tblVehicleEF	MCY	0.50	2.09

tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	20.18
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	209.47
tblVehicleEF	MCY	46.87	61.06
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.22	2.22
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.10	1.84
tblVehicleEF	MCY	2.0630e-003	2.0730e-003
tblVehicleEF	MCY	6.8600e-004	6.0400e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.71	2.71
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.28	2.00
tblVehicleEF	MDV	0.01	6.6050e-003

tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.33
tblVehicleEF	MDV	3.59	3.53
tblVehicleEF	MDV	498.66	425.70
tblVehicleEF	MDV	110.76	90.07
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	5.0000e-003	4.2090e-003
tblVehicleEF	MDV	1.1710e-003	8.9100e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	0.02	7.4780e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.60

tblVehicleEF	MDV	2.99	2.92
tblVehicleEF	MDV	542.90	452.84
tblVehicleEF	MDV	110.76	88.84
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	5.4470e-003	4.4780e-003
tblVehicleEF	MDV	1.1600e-003	8.7900e-004
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.46
tblVehicleEF	MDV	0.01	6.4310e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.47
tblVehicleEF	MDV	488.33	419.25

tblVehicleEF	MDV	110.76	89.97
tblVehicleEF	MDV	0.19	0.13
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.28	0.49
tblVehicleEF	MDV	4.8960e-003	4.1450e-003
tblVehicleEF	MDV	1.1700e-003	8.9000e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.60	0.37
tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.70

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.74	0.37
tblVehicleEF	MH	6.31	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.42

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.0900e-004	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.61	0.37
tblVehicleEF	MH	6.87	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.61	4.62

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.1900e-004	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MHD	0.02	3.2250e-003
tblVehicleEF	MHD	4.1450e-003	6.0340e-003
tblVehicleEF	MHD	0.06	8.8310e-003
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tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	6.00	1.03
tblVehicleEF	MHD	155.10	71.06

tblVehicleEF	MHD	1,105.72	1,029.53
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tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	1.08	2.22
tblVehicleEF	MHD	4.3700e-004	2.0190e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	4.1800e-004	1.9320e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4400e-004	8.3000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05

tblVehicleEF	MHD	0.02	3.0610e-003
tblVehicleEF	MHD	4.2290e-003	6.0860e-003
tblVehicleEF	MHD	0.05	8.4200e-003
tblVehicleEF	MHD	0.24	0.28
tblVehicleEF	MHD	0.32	0.56
tblVehicleEF	MHD	5.61	0.96
tblVehicleEF	MHD	164.29	72.29
tblVehicleEF	MHD	1,105.72	1,029.54
tblVehicleEF	MHD	53.92	8.32
tblVehicleEF	MHD	0.65	0.62
tblVehicleEF	MHD	1.01	2.09
tblVehicleEF	MHD	3.6900e-004	1.7050e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	3.5300e-004	1.6310e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	1.5770e-003	6.8600e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.3800e-004	8.2000e-005

tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	0.02	3.4660e-003
tblVehicleEF	MHD	4.1530e-003	6.0380e-003
tblVehicleEF	MHD	0.06	8.7320e-003
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tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	5.90	1.02
tblVehicleEF	MHD	142.41	69.34
tblVehicleEF	MHD	1,105.72	1,029.53
tblVehicleEF	MHD	53.92	8.40
tblVehicleEF	MHD	0.60	0.60
tblVehicleEF	MHD	1.06	2.18
tblVehicleEF	MHD	5.3200e-004	2.4540e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	5.0900e-004	2.3480e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02

tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4300e-004	8.3000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.39	0.05
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49
tblVehicleEF	OBUS	0.73	1.19
tblVehicleEF	OBUS	6.67	2.81
tblVehicleEF	OBUS	70.21	68.33
tblVehicleEF	OBUS	1,126.32	1,507.23
tblVehicleEF	OBUS	71.08	22.19
tblVehicleEF	OBUS	0.32	0.39
tblVehicleEF	OBUS	1.10	1.47
tblVehicleEF	OBUS	1.1300e-004	1.5090e-003
tblVehicleEF	OBUS	5.4210e-003	0.03

tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.0800e-004	1.4440e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	6.5300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.2000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.3930e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.47
tblVehicleEF	OBUS	0.75	1.22
tblVehicleEF	OBUS	6.11	2.57

tblVehicleEF	OBUS	73.34	68.71
tblVehicleEF	OBUS	1,126.32	1,507.28
tblVehicleEF	OBUS	71.08	21.80
tblVehicleEF	OBUS	0.33	0.39
tblVehicleEF	OBUS	1.02	1.35
tblVehicleEF	OBUS	9.5000e-005	1.2750e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	9.1000e-005	1.2200e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	7.1200e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.1600e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.31

tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	9.3640e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.51
tblVehicleEF	OBUS	0.73	1.19
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tblVehicleEF	OBUS	1.3700e-004	1.8320e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.3100e-004	1.7520e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.4100e-004	6.4800e-004
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	8.2700e-004	2.1900e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3980e-003
tblVehicleEF	SBUS	0.07	3.9120e-003
tblVehicleEF	SBUS	5.64	1.82
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.49	0.54
tblVehicleEF	SBUS	1,270.71	336.96
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.11
tblVehicleEF	SBUS	12.46	3.45
tblVehicleEF	SBUS	5.17	5.36
tblVehicleEF	SBUS	0.01	4.4720e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	4.2790e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005

tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	3.2020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.31	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.4900e-003
tblVehicleEF	SBUS	0.06	3.2450e-003
tblVehicleEF	SBUS	5.48	1.78
tblVehicleEF	SBUS	0.72	0.64
tblVehicleEF	SBUS	3.76	0.38
tblVehicleEF	SBUS	1,335.64	345.46
tblVehicleEF	SBUS	1,144.20	1,143.58
tblVehicleEF	SBUS	36.06	2.85
tblVehicleEF	SBUS	12.86	3.52

tblVehicleEF	SBUS	4.84	5.03
tblVehicleEF	SBUS	0.01	3.7780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	3.6140e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.67	0.19
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	3.2820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	2.8000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.96	0.27
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.25	0.02
tblVehicleEF	SBUS	0.86	0.04

tblVehicleEF	SBUS	0.01	7.3930e-003
tblVehicleEF	SBUS	0.07	4.0100e-003
tblVehicleEF	SBUS	5.85	1.87
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.54	0.56
tblVehicleEF	SBUS	1,181.05	325.23
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.14
tblVehicleEF	SBUS	11.91	3.35
tblVehicleEF	SBUS	5.09	5.28
tblVehicleEF	SBUS	0.02	5.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.02	5.1960e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.0910e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.03
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.79	32.64
tblVehicleEF	UBUS	14.93	1.46
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.41
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	0.66	0.06

tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.19	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.7200e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.30	0.08
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.90	32.64
tblVehicleEF	UBUS	12.23	1.20
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	16.98
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01

tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	0.67	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.5760e-003	1.6800e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	2.69	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.16	0.07
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	32.64
tblVehicleEF	UBUS	14.43	1.42
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.36
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004

tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.17	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6140e-003	1.7200e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.28	0.08
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00

tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWater	IndoorWaterUseRate	9,577,641.77	0.00
tblWater	OutdoorWaterUseRate	6,038,078.50	0.00
tblWoodstoves	NumberCatalytic	7.35	0.00
tblWoodstoves	NumberNoncatalytic	7.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.6522	79.9253	26.5870	0.1610	21.9792	2.7888	24.7681	10.3848	2.5657	12.9506	0.0000	16,669.7178	16,669.7178	2.1171	0.0000	16,722.6448
2021	49.7310	39.0614	25.4746	0.0735	2.3689	1.4975	3.8664	0.6351	1.3974	2.0324	0.0000	7,215.8155	7,215.8155	1.2651	0.0000	7,247.4437
Maximum	**49.7310**	**79.9253**	**26.5870**	**0.1610**	**21.9792**	**2.7888**	**24.7681**	**10.3848**	**2.5657**	**12.9506**	**0.0000**	**16,669.7178**	**16,669.7178**	**2.1171**	**0.0000**	**16,722.6448**

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					
2020	5.6522	79.9253	26.5870	0.1610	8.6946	2.7888	11.4835	4.0826	2.5657	6.6484	0.0000	16,669.7178	16,669.7178	2.1171	0.0000	16,722.6448
2021	49.7310	39.0614	25.4746	0.0735	2.3689	1.4975	3.8664	0.6351	1.3974	2.0324	0.0000	7,215.8155	7,215.8155	1.2651	0.0000	7,247.4437
Maximum	**49.7310**	**79.9253**	**26.5870**	**0.1610**	**8.6946**	**2.7888**	**11.4835**	**4.0826**	**2.5657**	**6.6484**	**0.0000**	**16,669.7178**	**16,669.7178**	**2.1171**	**0.0000**	**16,722.6448**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.56**	**0.00**	**46.39**	**57.19**	**0.00**	**42.06**	**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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
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	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
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	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/14/2020	5	10	
2	Grading	Grading	4/15/2020	5/12/2020	5	20	
3	Building Construction	Building Construction	5/13/2020	3/30/2021	5	230	
4	Paving	Paving	3/31/2021	4/27/2021	5	20	
5	Architectural Coating	Architectural Coating	4/28/2021	5/25/2021	5	20	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 50

Acres of Paving: 4.32

Residential Indoor: 301,822; Residential Outdoor: 100,607; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,302 (Architectural Coating – sqft)

OffRoad Equipment

Casa Loma Residential (Construction - Unmitigated) - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	3,025.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	5.5539	63.7874	22.3947	0.0570		2.7875	2.7875		2.5645	2.5645		5,523.5812	5,523.5812	1.7864		5,568.2421
Total	**5.5539**	**63.7874**	**22.3947**	**0.0570**	**21.7780**	**2.7875**	**24.5655**	**10.3315**	**2.5645**	**12.8960**		**5,523.5812**	**5,523.5812**	**1.7864**		**5,568.2421**

3.2 Site Preparation - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0663	0.6653	1.8300e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		182.4750	182.4750	5.4500e-003		182.6112
Total	**0.0983**	**0.0663**	**0.6653**	**1.8300e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**182.4750**	**182.4750**	**5.4500e-003**		**182.6112**

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					8.4934	0.0000	8.4934	4.0293	0.0000	4.0293			0.0000			0.0000
Off-Road	5.5539	63.7874	22.3947	0.0570		2.7875	2.7875		2.5645	2.5645	0.0000	5,523.5812	5,523.5812	1.7864		5,568.2421
Total	**5.5539**	**63.7874**	**22.3947**	**0.0570**	**8.4934**	**2.7875**	**11.2809**	**4.0293**	**2.5645**	**6.5938**	**0.0000**	**5,523.5812**	**5,523.5812**	**1.7864**		**5,568.2421**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0663	0.6653	1.8300e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		182.4750	182.4750	5.4500e-003		182.6112
Total	**0.0983**	**0.0663**	**0.6653**	**1.8300e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**182.4750**	**182.4750**	**5.4500e-003**		**182.6112**

3.3 Grading - 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					
Fugitive Dust					8.8102	0.0000	8.8102	3.6172	0.0000	3.6172			0.0000			0.0000
Off-Road	3.5369	42.4134	16.7138	0.0439		1.7160	1.7160		1.5787	1.5787		4,251.3448	4,251.3448	1.3750		4,285.7191
Total	**3.5369**	**42.4134**	**16.7138**	**0.0439**	**8.8102**	**1.7160**	**10.5262**	**3.6172**	**1.5787**	**5.1960**		**4,251.3448**	**4,251.3448**	**1.3750**		**4,285.7191**

3.3 Grading - 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	lb/day										lb/day					
Hauling	0.9821	37.4565	6.2904	0.1156	2.6470	0.1125	2.7595	0.7257	0.1077	0.8334		12,266.3105	12,266.3105	0.7376		12,284.7498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
Total	**1.0640**	**37.5118**	**6.8449**	**0.1171**	**2.8147**	**0.1136**	**2.9283**	**0.7702**	**0.1087**	**0.8789**		**12,418.3730**	**12,418.3730**	**0.7421**		**12,436.9257**

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					3.4360	0.0000	3.4360	1.4107	0.0000	1.4107			0.0000			0.0000
Off-Road	3.5369	42.4134	16.7138	0.0439		1.7160	1.7160		1.5787	1.5787	0.0000	4,251.3448	4,251.3448	1.3750		4,285.7191
Total	**3.5369**	**42.4134**	**16.7138**	**0.0439**	**3.4360**	**1.7160**	**5.1520**	**1.4107**	**1.5787**	**2.9895**	**0.0000**	**4,251.3448**	**4,251.3448**	**1.3750**		**4,285.7191**

3.3 Grading - 2020

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	0.9821	37.4565	6.2904	0.1156	2.6470	0.1125	2.7595	0.7257	0.1077	0.8334		12,266.3105	12,266.3105	0.7376		12,284.7498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
Total	**1.0640**	**37.5118**	**6.8449**	**0.1171**	**2.8147**	**0.1136**	**2.9283**	**0.7702**	**0.1087**	**0.8789**		**12,418.3730**	**12,418.3730**	**0.7421**		**12,436.9257**

3.4 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	3.3632	36.6770	18.6286	0.0430		1.6373	1.6373		1.5290	1.5290		4,114.5597	4,114.5597	1.1279		4,142.7566
Total	**3.3632**	**36.6770**	**18.6286**	**0.0430**		**1.6373**	**1.6373**		**1.5290**	**1.5290**		**4,114.5597**	**4,114.5597**	**1.1279**		**4,142.7566**

3.4 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	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	0.1505	4.9196	1.1203	0.0123	0.3010	0.0231	0.3241	0.0867	0.0221	0.1088		1,292.5005	1,292.5005	0.0966		1,294.9147
Worker	1.0102	0.6819	6.8380	0.0188	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		1,875.4371	1,875.4371	0.0560		1,876.8368
Total	**1.1607**	**5.6015**	**7.9584**	**0.0311**	**2.3689**	**0.0367**	**2.4056**	**0.6351**	**0.0346**	**0.6697**		**3,167.9376**	**3,167.9376**	**0.1526**		**3,171.7515**

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	3.3632	36.6770	18.6286	0.0430		1.6373	1.6373		1.5290	1.5290	0.0000	4,114.5597	4,114.5597	1.1279		4,142.7566
Total	**3.3632**	**36.6770**	**18.6286**	**0.0430**		**1.6373**	**1.6373**		**1.5290**	**1.5290**	**0.0000**	**4,114.5597**	**4,114.5597**	**1.1279**		**4,142.7566**

3.4 Building Construction - 2020

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	0.1505	4.9196	1.1203	0.0123	0.3010	0.0231	0.3241	0.0867	0.0221	0.1088		1,292.5005	1,292.5005	0.0966		1,294.9147
Worker	1.0102	0.6819	6.8380	0.0188	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		1,875.4371	1,875.4371	0.0560		1,876.8368
Total	**1.1607**	**5.6015**	**7.9584**	**0.0311**	**2.3689**	**0.0367**	**2.4056**	**0.6351**	**0.0346**	**0.6697**		**3,167.9376**	**3,167.9376**	**0.1526**		**3,171.7515**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775		4,114.4297	4,114.4297	1.1209		4,142.4520
Total	**3.1137**	**33.9659**	**18.1952**	**0.0430**		**1.4763**	**1.4763**		**1.3775**	**1.3775**		**4,114.4297**	**4,114.4297**	**1.1209**		**4,142.4520**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1290	4.4843	0.9976	0.0122	0.3010	7.9900e-003	0.3090	0.0867	7.6400e-003	0.0943		1,285.6151	1,285.6151	0.0937		1,287.9574
Worker	0.9421	0.6111	6.2818	0.0182	2.0679	0.0132	2.0811	0.5484	0.0122	0.5606		1,815.7707	1,815.7707	0.0505		1,817.0343
Total	**1.0711**	**5.0954**	**7.2795**	**0.0304**	**2.3689**	**0.0212**	**2.3901**	**0.6351**	**0.0198**	**0.6549**		**3,101.3858**	**3,101.3858**	**0.1442**		**3,104.9916**

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	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775	0.0000	4,114.4297	4,114.4297	1.1209		4,142.4520
Total	**3.1137**	**33.9659**	**18.1952**	**0.0430**		**1.4763**	**1.4763**		**1.3775**	**1.3775**	**0.0000**	**4,114.4297**	**4,114.4297**	**1.1209**		**4,142.4520**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1290	4.4843	0.9976	0.0122	0.3010	7.9900e-003	0.3090	0.0867	7.6400e-003	0.0943		1,285.6151	1,285.6151	0.0937		1,287.9574
Worker	0.9421	0.6111	6.2818	0.0182	2.0679	0.0132	2.0811	0.5484	0.0122	0.5606		1,815.7707	1,815.7707	0.0505		1,817.0343
Total	**1.0711**	**5.0954**	**7.2795**	**0.0304**	**2.3689**	**0.0212**	**2.3901**	**0.6351**	**0.0198**	**0.6549**		**3,101.3858**	**3,101.3858**	**0.1442**		**3,104.9916**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4376**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4376**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.2507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079
Total	**49.5426**	**2.0358**	**2.4234**	**3.9600e-003**		**0.1255**	**0.1255**		**0.1255**	**0.1255**		**375.2641**	**375.2641**	**0.0258**		**375.9079**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1884	0.1222	1.2564	3.6500e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		363.1541	363.1541	0.0101		363.4069
Total	**0.1884**	**0.1222**	**1.2564**	**3.6500e-003**	**0.4136**	**2.6500e-003**	**0.4162**	**0.1097**	**2.4400e-003**	**0.1121**		**363.1541**	**363.1541**	**0.0101**		**363.4069**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.2507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079
Total	**49.5426**	**2.0358**	**2.4234**	**3.9600e-003**		**0.1255**	**0.1255**		**0.1255**	**0.1255**	**0.0000**	**375.2641**	**375.2641**	**0.0258**		**375.9079**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1884	0.1222	1.2564	3.6500e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		363.1541	363.1541	0.0101		363.4069
Total	**0.1884**	**0.1222**	**1.2564**	**3.6500e-003**	**0.4136**	**2.6500e-003**	**0.4162**	**0.1097**	**2.4400e-003**	**0.1121**		**363.1541**	**363.1541**	**0.0101**		**363.4069**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
Unmitigated	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446

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	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**		**0.0671**	**0.0671**		**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**		**0.0671**	**0.0671**		**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Casa Loma Residential (Construction - Unmitigated)

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.95	1000sqft	0.66	28,953.00	0
Other Non-Asphalt Surfaces	127.76	1000sqft	2.93	127,762.00	0
Parking Lot	179.00	Space	0.73	31,650.00	0
Apartments Low Rise	147.00	Dwelling Unit	1.14	149,048.00	394

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Other Non-Asphalt Surfaces = Landscape, Open Space, and Parking Landscape areas. Parking Lot = Carport and Open Stall Spaces. Other Asphalt Surfaces = Paved Areas.

Construction Phase -

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

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Grading - For purposes of analysis, total acres graded per day is based on the equipment specific grading rates (CalEEMod Appendix A) and the equipment list.

Vehicle Trips - Construction Run Only.

Woodstoves - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	877.14	0.00
tblEnergyUse	T24NG	9,544.50	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00

tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	124.95	0.00
tblFireplaces	NumberNoFireplace	14.70	0.00
tblFireplaces	NumberWood	7.35	0.00
tblGrading	AcresOfGrading	40.00	50.00
tblGrading	AcresOfGrading	20.00	35.00
tblGrading	MaterialImported	0.00	24,200.00
tblLandUse	LandUseSquareFeet	71,600.00	31,650.00
tblLandUse	LandUseSquareFeet	147,000.00	149,048.00
tblLandUse	LotAcreage	1.61	0.73
tblLandUse	LotAcreage	9.19	1.14
tblLandUse	Population	420.00	394.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	67.62	0.00
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.82
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.92	2.4420e-003
tblVehicleEF	HHD	6,983.95	1,459.93

tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.07	7.65
tblVehicleEF	HHD	2.87	3.24
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	0.89	0.60
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	1.02	0.68

tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	7.65
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.80	2.2950e-003
tblVehicleEF	HHD	7,395.94	1,453.32
tblVehicleEF	HHD	1,493.95	1,411.06
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tblVehicleEF	HHD	28.97	7.40
tblVehicleEF	HHD	2.70	3.05
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004

tblVehicleEF	HHD	0.84	0.62
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
tblVehicleEF	HHD	0.97	0.71
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	3.7740e-003
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	7.98
tblVehicleEF	HHD	0.58	0.36
tblVehicleEF	HHD	1.89	2.4140e-003
tblVehicleEF	HHD	6,415.00	1,454.79
tblVehicleEF	HHD	1,493.95	1,371.01
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	26.84	7.90
tblVehicleEF	HHD	2.83	3.15
tblVehicleEF	HHD	0.02	0.01

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8160e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	0.96	0.56
tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	1.10	0.64
tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.7950e-003

tblVehicleEF	LDA	6.4640e-003	0.06
tblVehicleEF	LDA	0.62	0.70
tblVehicleEF	LDA	1.32	2.22
tblVehicleEF	LDA	261.85	269.33
tblVehicleEF	LDA	59.28	55.48
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.6230e-003	2.6640e-003
tblVehicleEF	LDA	6.1500e-004	5.4900e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	5.3170e-003	3.2030e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.86

tblVehicleEF	LDA	1.10	1.85
tblVehicleEF	LDA	286.52	294.16
tblVehicleEF	LDA	59.28	54.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9100e-003
tblVehicleEF	LDA	6.1100e-004	5.4200e-004
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.7260e-003
tblVehicleEF	LDA	6.4200e-003	0.06
tblVehicleEF	LDA	0.58	0.67
tblVehicleEF	LDA	1.30	2.19
tblVehicleEF	LDA	256.02	263.51

tblVehicleEF	LDA	59.28	55.41
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.5640e-003	2.6070e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.1890e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.63
tblVehicleEF	LDT1	4.02	2.54
tblVehicleEF	LDT1	323.73	319.09
tblVehicleEF	LDT1	72.77	67.44
tblVehicleEF	LDT1	0.18	0.15

tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.29	0.48
tblVehicleEF	LDT1	3.2600e-003	3.1580e-003
tblVehicleEF	LDT1	7.9900e-004	6.6700e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT1	0.02	9.2860e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	1.97
tblVehicleEF	LDT1	3.30	2.10
tblVehicleEF	LDT1	352.65	345.09
tblVehicleEF	LDT1	72.77	66.47
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003

tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4150e-003
tblVehicleEF	LDT1	7.8600e-004	6.5800e-004
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	7.9980e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.55
tblVehicleEF	LDT1	3.95	2.49
tblVehicleEF	LDT1	316.91	312.93
tblVehicleEF	LDT1	72.77	67.36
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003

tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.0970e-003
tblVehicleEF	LDT1	7.9800e-004	6.6700e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT2	6.9330e-003	4.8260e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.06
tblVehicleEF	LDT2	1.85	2.89
tblVehicleEF	LDT2	363.70	344.02
tblVehicleEF	LDT2	81.97	72.94
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16

tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.6440e-003	3.4040e-003
tblVehicleEF	LDT2	8.5100e-004	7.2200e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	7.8730e-003	5.5090e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.30
tblVehicleEF	LDT2	1.53	2.39
tblVehicleEF	LDT2	397.09	369.57
tblVehicleEF	LDT2	81.97	71.94
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.02

tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	3.9810e-003	3.6570e-003
tblVehicleEF	LDT2	8.4600e-004	7.1200e-004
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	6.7430e-003	4.7100e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.01
tblVehicleEF	LDT2	1.82	2.84
tblVehicleEF	LDT2	355.82	337.97
tblVehicleEF	LDT2	81.97	72.85
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.12	0.38

tblVehicleEF	LDT2	3.5650e-003	3.3440e-003
tblVehicleEF	LDT2	8.5100e-004	7.2100e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.4860e-003	4.9840e-003
tblVehicleEF	LHD1	0.01	7.1410e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.99
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.26	1.69
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004

tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6200e-004	1.0900e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.0000e-003
tblVehicleEF	LHD1	0.01	7.3180e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.18	0.99
tblVehicleEF	LHD1	2.58	1.00
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.98
tblVehicleEF	LHD1	30.92	10.87
tblVehicleEF	LHD1	0.09	0.08

tblVehicleEF	LHD1	2.12	1.58
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
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tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0370e-003	6.3960e-003
tblVehicleEF	LHD1	3.5800e-004	1.0800e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	4.9870e-003

tblVehicleEF	LHD1	0.01	7.1590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.72	1.05
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.96
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.22	1.66
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003

tblVehicleEF	LHD1	3.6100e-004	1.0800e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.4060e-003
tblVehicleEF	LHD2	5.2410e-003	4.5240e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.29	0.64
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.51
tblVehicleEF	LHD2	24.89	7.96
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.69	1.81
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004

tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7300e-004	7.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4160e-003
tblVehicleEF	LHD2	5.3190e-003	4.5750e-003
tblVehicleEF	LHD2	8.7380e-003	9.6870e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.56	0.62
tblVehicleEF	LHD2	1.21	0.60
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.89
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.70

tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7100e-004	7.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4070e-003
tblVehicleEF	LHD2	5.2490e-003	4.5300e-003
tblVehicleEF	LHD2	9.0820e-003	0.01

tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.27	0.63
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.94
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.67	1.78
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7200e-004	7.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	21.16
tblVehicleEF	MCY	9.91	8.77
tblVehicleEF	MCY	167.12	211.16
tblVehicleEF	MCY	46.87	61.87
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.26	2.26
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.17	1.92
tblVehicleEF	MCY	2.0790e-003	2.0900e-003
tblVehicleEF	MCY	6.9500e-004	6.1200e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80

tblVehicleEF	MCY	2.76	2.76
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.37	2.08
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	21.29
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	211.14
tblVehicleEF	MCY	46.87	59.68
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.19	2.19
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0790e-003	2.0890e-003
tblVehicleEF	MCY	6.7100e-004	5.9100e-004
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.69	2.68
tblVehicleEF	MCY	0.50	2.09

tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	20.18
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	209.47
tblVehicleEF	MCY	46.87	61.06
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.22	2.22
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.10	1.84
tblVehicleEF	MCY	2.0630e-003	2.0730e-003
tblVehicleEF	MCY	6.8600e-004	6.0400e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.71	2.71
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.28	2.00
tblVehicleEF	MDV	0.01	6.6050e-003

tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.33
tblVehicleEF	MDV	3.59	3.53
tblVehicleEF	MDV	498.66	425.70
tblVehicleEF	MDV	110.76	90.07
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	5.0000e-003	4.2090e-003
tblVehicleEF	MDV	1.1710e-003	8.9100e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	0.02	7.4780e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.60

tblVehicleEF	MDV	2.99	2.92
tblVehicleEF	MDV	542.90	452.84
tblVehicleEF	MDV	110.76	88.84
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	5.4470e-003	4.4780e-003
tblVehicleEF	MDV	1.1600e-003	8.7900e-004
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.46
tblVehicleEF	MDV	0.01	6.4310e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.47
tblVehicleEF	MDV	488.33	419.25

tblVehicleEF	MDV	110.76	89.97
tblVehicleEF	MDV	0.19	0.13
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.28	0.49
tblVehicleEF	MDV	4.8960e-003	4.1450e-003
tblVehicleEF	MDV	1.1700e-003	8.9000e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.60	0.37
tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.70

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.74	0.37
tblVehicleEF	MH	6.31	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.42

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.0900e-004	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.61	0.37
tblVehicleEF	MH	6.87	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.61	4.62

tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.1900e-004	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MHD	0.02	3.2250e-003
tblVehicleEF	MHD	4.1450e-003	6.0340e-003
tblVehicleEF	MHD	0.06	8.8310e-003
tblVehicleEF	MHD	0.33	0.34
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tblVehicleEF	MHD	155.10	71.06

tblVehicleEF	MHD	1,105.72	1,029.53
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tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	1.08	2.22
tblVehicleEF	MHD	4.3700e-004	2.0190e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	4.1800e-004	1.9320e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4400e-004	8.3000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05

tblVehicleEF	MHD	0.02	3.0610e-003
tblVehicleEF	MHD	4.2290e-003	6.0860e-003
tblVehicleEF	MHD	0.05	8.4200e-003
tblVehicleEF	MHD	0.24	0.28
tblVehicleEF	MHD	0.32	0.56
tblVehicleEF	MHD	5.61	0.96
tblVehicleEF	MHD	164.29	72.29
tblVehicleEF	MHD	1,105.72	1,029.54
tblVehicleEF	MHD	53.92	8.32
tblVehicleEF	MHD	0.65	0.62
tblVehicleEF	MHD	1.01	2.09
tblVehicleEF	MHD	3.6900e-004	1.7050e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	3.5300e-004	1.6310e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	1.5770e-003	6.8600e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.3800e-004	8.2000e-005

tblVehicleEF	MHD	2.8480e-003	1.3100e-003
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	0.02	3.4660e-003
tblVehicleEF	MHD	4.1530e-003	6.0380e-003
tblVehicleEF	MHD	0.06	8.7320e-003
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.31	0.55
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tblVehicleEF	MHD	53.92	8.40
tblVehicleEF	MHD	0.60	0.60
tblVehicleEF	MHD	1.06	2.18
tblVehicleEF	MHD	5.3200e-004	2.4540e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	5.0900e-004	2.3480e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02

tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4300e-004	8.3000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.39	0.05
tblVehicleEF	OBUS	0.01	9.3650e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49
tblVehicleEF	OBUS	0.73	1.19
tblVehicleEF	OBUS	6.67	2.81
tblVehicleEF	OBUS	70.21	68.33
tblVehicleEF	OBUS	1,126.32	1,507.23
tblVehicleEF	OBUS	71.08	22.19
tblVehicleEF	OBUS	0.32	0.39
tblVehicleEF	OBUS	1.10	1.47
tblVehicleEF	OBUS	1.1300e-004	1.5090e-003
tblVehicleEF	OBUS	5.4210e-003	0.03

tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.0800e-004	1.4440e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	6.5300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.2000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.3930e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.47
tblVehicleEF	OBUS	0.75	1.22
tblVehicleEF	OBUS	6.11	2.57

tblVehicleEF	OBUS	73.34	68.71
tblVehicleEF	OBUS	1,126.32	1,507.28
tblVehicleEF	OBUS	71.08	21.80
tblVehicleEF	OBUS	0.33	0.39
tblVehicleEF	OBUS	1.02	1.35
tblVehicleEF	OBUS	9.5000e-005	1.2750e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	9.1000e-005	1.2200e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	7.1200e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.1600e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.31

tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	9.3640e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.51
tblVehicleEF	OBUS	0.73	1.19
tblVehicleEF	OBUS	6.62	2.79
tblVehicleEF	OBUS	65.88	67.80
tblVehicleEF	OBUS	1,126.32	1,507.24
tblVehicleEF	OBUS	71.08	22.15
tblVehicleEF	OBUS	0.31	0.39
tblVehicleEF	OBUS	1.08	1.44
tblVehicleEF	OBUS	1.3700e-004	1.8320e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.3100e-004	1.7520e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.4100e-004	6.4800e-004
tblVehicleEF	OBUS	0.01	0.01

tblVehicleEF	OBUS	8.2700e-004	2.1900e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3980e-003
tblVehicleEF	SBUS	0.07	3.9120e-003
tblVehicleEF	SBUS	5.64	1.82
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.49	0.54
tblVehicleEF	SBUS	1,270.71	336.96
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.11
tblVehicleEF	SBUS	12.46	3.45
tblVehicleEF	SBUS	5.17	5.36
tblVehicleEF	SBUS	0.01	4.4720e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	4.2790e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005

tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	3.2020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.31	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.4900e-003
tblVehicleEF	SBUS	0.06	3.2450e-003
tblVehicleEF	SBUS	5.48	1.78
tblVehicleEF	SBUS	0.72	0.64
tblVehicleEF	SBUS	3.76	0.38
tblVehicleEF	SBUS	1,335.64	345.46
tblVehicleEF	SBUS	1,144.20	1,143.58
tblVehicleEF	SBUS	36.06	2.85
tblVehicleEF	SBUS	12.86	3.52

tblVehicleEF	SBUS	4.84	5.03
tblVehicleEF	SBUS	0.01	3.7780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	3.6140e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.67	0.19
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	3.2820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	2.8000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.96	0.27
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.25	0.02
tblVehicleEF	SBUS	0.86	0.04

tblVehicleEF	SBUS	0.01	7.3930e-003
tblVehicleEF	SBUS	0.07	4.0100e-003
tblVehicleEF	SBUS	5.85	1.87
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.54	0.56
tblVehicleEF	SBUS	1,181.05	325.23
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.14
tblVehicleEF	SBUS	11.91	3.35
tblVehicleEF	SBUS	5.09	5.28
tblVehicleEF	SBUS	0.02	5.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.02	5.1960e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.0910e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.03
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.79	32.64
tblVehicleEF	UBUS	14.93	1.46
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.41
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	0.66	0.06

tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.19	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.7200e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.30	0.08
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.90	32.64
tblVehicleEF	UBUS	12.23	1.20
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	16.98
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01

tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	0.67	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.5760e-003	1.6800e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	2.69	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.16	0.07
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	32.64
tblVehicleEF	UBUS	14.43	1.42
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.36
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004

tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.17	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6140e-003	1.7200e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.28	0.08
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00

tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWater	IndoorWaterUseRate	9,577,641.77	0.00
tblWater	OutdoorWaterUseRate	6,038,078.50	0.00
tblWoodstoves	NumberCatalytic	7.35	0.00
tblWoodstoves	NumberNoncatalytic	7.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4432	4.6675	2.5891	8.1700e-003	0.4198	0.1720	0.5918	0.1478	0.1602	0.3080	0.0000	735.9392	735.9392	0.1238	0.0000	739.0335
2021	0.6410	1.3856	0.9994	2.6600e-003	0.0789	0.0552	0.1342	0.0212	0.0515	0.0727	0.0000	236.3583	236.3583	0.0429	0.0000	237.4305
Maximum	**0.6410**	**4.6675**	**2.5891**	**8.1700e-003**	**0.4198**	**0.1720**	**0.5918**	**0.1478**	**0.1602**	**0.3080**	**0.0000**	**735.9392**	**735.9392**	**0.1238**	**0.0000**	**739.0335**

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					
2020	0.4432	4.6675	2.5891	8.1700e-003	0.2996	0.1720	0.4716	0.0942	0.1602	0.2545	0.0000	735.9387	735.9387	0.1238	0.0000	739.0331
2021	0.6410	1.3856	0.9994	2.6600e-003	0.0789	0.0552	0.1342	0.0212	0.0515	0.0727	0.0000	236.3581	236.3581	0.0429	0.0000	237.4304
Maximum	**0.6410**	**4.6675**	**2.5891**	**8.1700e-003**	**0.2996**	**0.1720**	**0.4716**	**0.0942**	**0.1602**	**0.2545**	**0.0000**	**735.9387**	**735.9387**	**0.1238**	**0.0000**	**739.0331**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**24.09**	**0.00**	**16.55**	**31.70**	**0.00**	**14.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-1-2020**	**6-30-2020**	2.0093	2.0093
2	**7-1-2020**	**9-30-2020**	1.5377	1.5377
3	**10-1-2020**	**12-31-2020**	1.5378	1.5378
4	**1-1-2021**	**3-31-2021**	1.3798	1.3798
5	**4-1-2021**	**6-30-2021**	0.6585	0.6585
		Highest	2.0093	2.0093

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	0.6464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
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	**0.6464**	**0.0176**	**1.5236**	**8.0000e-005**	**0.0000**	**8.3900e-003**	**8.3900e-003**	**0.0000**	**8.3900e-003**	**8.3900e-003**	**0.0000**	**2.4846**	**2.4846**	**2.4200e-003**	**0.0000**	**2.5452**

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	0.6464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
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	**0.6464**	**0.0176**	**1.5236**	**8.0000e-005**	**0.0000**	**8.3900e-003**	**8.3900e-003**	**0.0000**	**8.3900e-003**	**8.3900e-003**	**0.0000**	**2.4846**	**2.4846**	**2.4200e-003**	**0.0000**	**2.5452**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/14/2020	5	10	
2	Grading	Grading	4/15/2020	5/12/2020	5	20	
3	Building Construction	Building Construction	5/13/2020	3/30/2021	5	230	
4	Paving	Paving	3/31/2021	4/27/2021	5	20	
5	Architectural Coating	Architectural Coating	4/28/2021	5/25/2021	5	20	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 50

Acres of Paving: 4.32

Residential Indoor: 301,822; Residential Outdoor: 100,607; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,302 (Architectural Coating – sqft)

OffRoad Equipment

Casa Loma Residential (Construction - Unmitigated) - San Bernardino-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	3,025.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					0.1089	0.0000	0.1089	0.0517	0.0000	0.0517	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0278	0.3189	0.1120	2.8000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	25.0545	25.0545	8.1000e-003	0.0000	25.2571
Total	**0.0278**	**0.3189**	**0.1120**	**2.8000e-004**	**0.1089**	**0.0139**	**0.1228**	**0.0517**	**0.0128**	**0.0645**	**0.0000**	**25.0545**	**25.0545**	**8.1000e-003**	**0.0000**	**25.2571**

3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.5000e-004	3.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8458	0.8458	3.0000e-005	0.0000	0.8465
Total	**4.4000e-004**	**3.5000e-004**	**3.4900e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8458**	**0.8458**	**3.0000e-005**	**0.0000**	**0.8465**

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					0.0425	0.0000	0.0425	0.0202	0.0000	0.0202	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0278	0.3189	0.1120	2.8000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	25.0545	25.0545	8.1000e-003	0.0000	25.2571
Total	**0.0278**	**0.3189**	**0.1120**	**2.8000e-004**	**0.0425**	**0.0139**	**0.0564**	**0.0202**	**0.0128**	**0.0330**	**0.0000**	**25.0545**	**25.0545**	**8.1000e-003**	**0.0000**	**25.2571**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.5000e-004	3.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8458	0.8458	3.0000e-005	0.0000	0.8465
Total	**4.4000e-004**	**3.5000e-004**	**3.4900e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8458**	**0.8458**	**3.0000e-005**	**0.0000**	**0.8465**

3.3 Grading - 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					
Fugitive Dust					0.0881	0.0000	0.0881	0.0362	0.0000	0.0362	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0354	0.4241	0.1671	4.4000e-004		0.0172	0.0172		0.0158	0.0158	0.0000	38.5676	38.5676	0.0125	0.0000	38.8794
Total	**0.0354**	**0.4241**	**0.1671**	**4.4000e-004**	**0.0881**	**0.0172**	**0.1053**	**0.0362**	**0.0158**	**0.0520**	**0.0000**	**38.5676**	**38.5676**	**0.0125**	**0.0000**	**38.8794**

3.3 Grading - 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	9.5800e-003	0.3821	0.0585	1.1700e-003	0.0260	1.1200e-003	0.0272	7.1500e-003	1.0700e-003	8.2200e-003	0.0000	113.0060	113.0060	6.4000e-003	0.0000	113.1660
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.8000e-004	5.8200e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4097	1.4097	4.0000e-005	0.0000	1.4108
Total	**0.0103**	**0.3826**	**0.0643**	**1.1900e-003**	**0.0277**	**1.1300e-003**	**0.0288**	**7.5900e-003**	**1.0800e-003**	**8.6700e-003**	**0.0000**	**114.4158**	**114.4158**	**6.4400e-003**	**0.0000**	**114.5768**

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					0.0344	0.0000	0.0344	0.0141	0.0000	0.0141	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0354	0.4241	0.1671	4.4000e-004		0.0172	0.0172		0.0158	0.0158	0.0000	38.5675	38.5675	0.0125	0.0000	38.8793
Total	**0.0354**	**0.4241**	**0.1671**	**4.4000e-004**	**0.0344**	**0.0172**	**0.0515**	**0.0141**	**0.0158**	**0.0299**	**0.0000**	**38.5675**	**38.5675**	**0.0125**	**0.0000**	**38.8793**

3.3 Grading - 2020

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	9.5800e-003	0.3821	0.0585	1.1700e-003	0.0260	1.1200e-003	0.0272	7.1500e-003	1.0700e-003	8.2200e-003	0.0000	113.0060	113.0060	6.4000e-003	0.0000	113.1660
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.8000e-004	5.8200e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4097	1.4097	4.0000e-005	0.0000	1.4108
Total	**0.0103**	**0.3826**	**0.0643**	**1.1900e-003**	**0.0277**	**1.1300e-003**	**0.0288**	**7.5900e-003**	**1.0800e-003**	**8.6700e-003**	**0.0000**	**114.4158**	**114.4158**	**6.4400e-003**	**0.0000**	**114.5768**

3.4 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	0.2808	3.0625	1.5555	3.5900e-003		0.1367	0.1367		0.1277	0.1277	0.0000	311.6776	311.6776	0.0854	0.0000	313.8135
Total	**0.2808**	**3.0625**	**1.5555**	**3.5900e-003**		**0.1367**	**0.1367**		**0.1277**	**0.1277**	**0.0000**	**311.6776**	**311.6776**	**0.0854**	**0.0000**	**313.8135**

3.4 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	0.0000	0.0000	0.0000	0.0000	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	0.0122	0.4190	0.0876	1.0500e-003	0.0247	1.9200e-003	0.0267	7.1400e-003	1.8300e-003	8.9700e-003	0.0000	100.1992	100.1992	6.9300e-003	0.0000	100.3725
Worker	0.0763	0.0600	0.5991	1.6100e-003	0.1694	1.1300e-003	0.1705	0.0450	1.0400e-003	0.0460	0.0000	145.1787	145.1787	4.3600e-003	0.0000	145.2877
Total	**0.0885**	**0.4789**	**0.6867**	**2.6600e-003**	**0.1941**	**3.0500e-003**	**0.1972**	**0.0521**	**2.8700e-003**	**0.0550**	**0.0000**	**245.3779**	**245.3779**	**0.0113**	**0.0000**	**245.6602**

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	0.2808	3.0625	1.5555	3.5900e-003		0.1367	0.1367		0.1277	0.1277	0.0000	311.6772	311.6772	0.0854	0.0000	313.8131
Total	**0.2808**	**3.0625**	**1.5555**	**3.5900e-003**		**0.1367**	**0.1367**		**0.1277**	**0.1277**	**0.0000**	**311.6772**	**311.6772**	**0.0854**	**0.0000**	**313.8131**

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0122	0.4190	0.0876	1.0500e-003	0.0247	1.9200e-003	0.0267	7.1400e-003	1.8300e-003	8.9700e-003	0.0000	100.1992	100.1992	6.9300e-003	0.0000	100.3725
Worker	0.0763	0.0600	0.5991	1.6100e-003	0.1694	1.1300e-003	0.1705	0.0450	1.0400e-003	0.0460	0.0000	145.1787	145.1787	4.3600e-003	0.0000	145.2877
Total	**0.0885**	**0.4789**	**0.6867**	**2.6600e-003**	**0.1941**	**3.0500e-003**	**0.1972**	**0.0521**	**2.8700e-003**	**0.0550**	**0.0000**	**245.3779**	**245.3779**	**0.0113**	**0.0000**	**245.6602**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0981	1.0699	0.5732	1.3600e-003		0.0465	0.0465		0.0434	0.0434	0.0000	117.5753	117.5753	0.0320	0.0000	118.3760
Total	**0.0981**	**1.0699**	**0.5732**	**1.3600e-003**		**0.0465**	**0.0465**		**0.0434**	**0.0434**	**0.0000**	**117.5753**	**117.5753**	**0.0320**	**0.0000**	**118.3760**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	3.9300e-003	0.1440	0.0293	3.9000e-004	9.3300e-003	2.5000e-004	9.5800e-003	2.6900e-003	2.4000e-004	2.9300e-003	0.0000	37.5993	37.5993	2.5300e-003	0.0000	37.6626
Worker	0.0268	0.0203	0.2076	5.9000e-004	0.0639	4.2000e-004	0.0643	0.0170	3.8000e-004	0.0174	0.0000	53.0245	53.0245	1.4800e-003	0.0000	53.0616
Total	**0.0308**	**0.1643**	**0.2370**	**9.8000e-004**	**0.0732**	**6.7000e-004**	**0.0739**	**0.0197**	**6.2000e-004**	**0.0203**	**0.0000**	**90.6237**	**90.6237**	**4.0100e-003**	**0.0000**	**90.7242**

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	0.0981	1.0699	0.5732	1.3600e-003		0.0465	0.0465		0.0434	0.0434	0.0000	117.5751	117.5751	0.0320	0.0000	118.3759
Total	**0.0981**	**1.0699**	**0.5732**	**1.3600e-003**		**0.0465**	**0.0465**		**0.0434**	**0.0434**	**0.0000**	**117.5751**	**117.5751**	**0.0320**	**0.0000**	**118.3759**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	3.9300e-003	0.1440	0.0293	3.9000e-004	9.3300e-003	2.5000e-004	9.5800e-003	2.6900e-003	2.4000e-004	2.9300e-003	0.0000	37.5993	37.5993	2.5300e-003	0.0000	37.6626
Worker	0.0268	0.0203	0.2076	5.9000e-004	0.0639	4.2000e-004	0.0643	0.0170	3.8000e-004	0.0174	0.0000	53.0245	53.0245	1.4800e-003	0.0000	53.0616
Total	**0.0308**	**0.1643**	**0.2370**	**9.8000e-004**	**0.0732**	**6.7000e-004**	**0.0739**	**0.0197**	**6.2000e-004**	**0.0203**	**0.0000**	**90.6237**	**90.6237**	**4.0100e-003**	**0.0000**	**90.7242**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	1.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0144**	**0.1292**	**0.1465**	**2.3000e-004**		**6.7800e-003**	**6.7800e-003**		**6.2400e-003**	**6.2400e-003**	**0.0000**	**20.0235**	**20.0235**	**6.4800e-003**	**0.0000**	**20.1854**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**6.9000e-004**	**5.2000e-004**	**5.3400e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3649**	**1.3649**	**4.0000e-005**	**0.0000**	**1.3658**

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	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	1.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0144**	**0.1292**	**0.1465**	**2.3000e-004**		**6.7800e-003**	**6.7800e-003**		**6.2400e-003**	**6.2400e-003**	**0.0000**	**20.0235**	**20.0235**	**6.4800e-003**	**0.0000**	**20.1854**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**6.9000e-004**	**5.2000e-004**	**5.3400e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3649**	**1.3649**	**4.0000e-005**	**0.0000**	**1.3658**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9200e-003	0.0204	0.0242	4.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	3.4043	3.4043	2.3000e-004	0.0000	3.4102
Total	**0.4954**	**0.0204**	**0.0242**	**4.0000e-005**		**1.2500e-003**	**1.2500e-003**		**1.2500e-003**	**1.2500e-003**	**0.0000**	**3.4043**	**3.4043**	**2.3000e-004**	**0.0000**	**3.4102**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-003	1.2900e-003	0.0132	4.0000e-005	4.0600e-003	3.0000e-005	4.0800e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.3666	3.3666	9.0000e-005	0.0000	3.3690
Total	**1.7000e-003**	**1.2900e-003**	**0.0132**	**4.0000e-005**	**4.0600e-003**	**3.0000e-005**	**4.0800e-003**	**1.0800e-003**	**2.0000e-005**	**1.1000e-003**	**0.0000**	**3.3666**	**3.3666**	**9.0000e-005**	**0.0000**	**3.3690**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9200e-003	0.0204	0.0242	4.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	3.4043	3.4043	2.3000e-004	0.0000	3.4102
Total	**0.4954**	**0.0204**	**0.0242**	**4.0000e-005**		**1.2500e-003**	**1.2500e-003**		**1.2500e-003**	**1.2500e-003**	**0.0000**	**3.4043**	**3.4043**	**2.3000e-004**	**0.0000**	**3.4102**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-003	1.2900e-003	0.0132	4.0000e-005	4.0600e-003	3.0000e-005	4.0800e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.3666	3.3666	9.0000e-005	0.0000	3.3690
Total	**1.7000e-003**	**1.2900e-003**	**0.0132**	**4.0000e-005**	**4.0600e-003**	**3.0000e-005**	**4.0800e-003**	**1.0800e-003**	**2.0000e-005**	**1.1000e-003**	**0.0000**	**3.3666**	**3.3666**	**9.0000e-005**	**0.0000**	**3.3690**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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	tons/yr										MT/yr					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
Unmitigated	0.6464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452

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	0.0493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
Total	**0.6464**	**0.0176**	**1.5236**	**8.0000e-005**		**8.3900e-003**	**8.3900e-003**		**8.3900e-003**	**8.3900e-003**	**0.0000**	**2.4846**	**2.4846**	**2.4200e-003**	**0.0000**	**2.5452**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
Total	**0.6464**	**0.0176**	**1.5236**	**8.0000e-005**		**8.3900e-003**	**8.3900e-003**		**8.3900e-003**	**8.3900e-003**	**0.0000**	**2.4846**	**2.4846**	**2.4200e-003**	**0.0000**	**2.5452**

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			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

ATTACHMENT B:

CALEEMOD CONSTRUCTION (MITIGATED) EMISSIONS MODEL OUTPUTS

Casa Loma Residential (Construction - Mitigated)

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.95	1000sqft	0.66	28,953.00	0
Other Non-Asphalt Surfaces	127.76	1000sqft	2.93	127,762.00	0
Parking Lot	179.00	Space	0.73	31,650.00	0
Apartments Low Rise	147.00	Dwelling Unit	1.14	149,048.00	394

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Other Non-Asphalt Surfaces = Landscape, Open Space, and Parking Landscape areas. Parking Lot = Carport and Open Stall Spaces. Other Asphalt Surfaces = Paved Areas.

Construction Phase -

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

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Grading - For purposes of analysis, total acres graded per day is based on the equipment specific grading rates (CalEEMod Appendix A) and the equipment list.

Vehicle Trips - Construction Run Only.

Woodstoves - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - All equipment operating at >150 HP during site preparation activities are required to be equipped with Tier 3 or better engines.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00

tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	877.14	0.00
tblEnergyUse	T24NG	9,544.50	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	124.95	0.00
tblFireplaces	NumberNoFireplace	14.70	0.00
tblFireplaces	NumberWood	7.35	0.00
tblGrading	AcresOfGrading	40.00	50.00
tblGrading	AcresOfGrading	20.00	35.00
tblGrading	MaterialImported	0.00	24,200.00
tblLandUse	LandUseSquareFeet	71,600.00	31,650.00
tblLandUse	LandUseSquareFeet	147,000.00	149,048.00
tblLandUse	LotAcreage	1.61	0.73
tblLandUse	LotAcreage	9.19	1.14
tblLandUse	Population	420.00	394.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	67.62	0.00
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.06

tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.82
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.92	2.4420e-003
tblVehicleEF	HHD	6,983.95	1,459.93
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.07	7.65
tblVehicleEF	HHD	2.87	3.24
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	0.89	0.60
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	1.02	0.68
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	7.65
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.80	2.2950e-003
tblVehicleEF	HHD	7,395.94	1,453.32
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.97	7.40
tblVehicleEF	HHD	2.70	3.05
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
tblVehicleEF	HHD	0.84	0.62
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
tblVehicleEF	HHD	0.97	0.71
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	3.7740e-003
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	7.98
tblVehicleEF	HHD	0.58	0.36
tblVehicleEF	HHD	1.89	2.4140e-003
tblVehicleEF	HHD	6,415.00	1,454.79

tblVehicleEF	HHD	1,493.95	1,371.01
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	26.84	7.90
tblVehicleEF	HHD	2.83	3.15
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8160e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	0.96	0.56
tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	1.10	0.64

tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.7950e-003
tblVehicleEF	LDA	6.4640e-003	0.06
tblVehicleEF	LDA	0.62	0.70
tblVehicleEF	LDA	1.32	2.22
tblVehicleEF	LDA	261.85	269.33
tblVehicleEF	LDA	59.28	55.48
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.6230e-003	2.6640e-003
tblVehicleEF	LDA	6.1500e-004	5.4900e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	5.3170e-003	3.2030e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.86
tblVehicleEF	LDA	1.10	1.85
tblVehicleEF	LDA	286.52	294.16
tblVehicleEF	LDA	59.28	54.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9100e-003
tblVehicleEF	LDA	6.1100e-004	5.4200e-004
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23

tblVehicleEF	LDA	4.5320e-003	2.7260e-003
tblVehicleEF	LDA	6.4200e-003	0.06
tblVehicleEF	LDA	0.58	0.67
tblVehicleEF	LDA	1.30	2.19
tblVehicleEF	LDA	256.02	263.51
tblVehicleEF	LDA	59.28	55.41
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.5640e-003	2.6070e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.1890e-003
tblVehicleEF	LDT1	0.02	0.09

tblVehicleEF	LDT1	1.71	1.63
tblVehicleEF	LDT1	4.02	2.54
tblVehicleEF	LDT1	323.73	319.09
tblVehicleEF	LDT1	72.77	67.44
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.29	0.48
tblVehicleEF	LDT1	3.2600e-003	3.1580e-003
tblVehicleEF	LDT1	7.9900e-004	6.6700e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT1	0.02	9.2860e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	1.97
tblVehicleEF	LDT1	3.30	2.10

tblVehicleEF	LDT1	352.65	345.09
tblVehicleEF	LDT1	72.77	66.47
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4150e-003
tblVehicleEF	LDT1	7.8600e-004	6.5800e-004
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	7.9980e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.55
tblVehicleEF	LDT1	3.95	2.49
tblVehicleEF	LDT1	316.91	312.93
tblVehicleEF	LDT1	72.77	67.36

tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.0970e-003
tblVehicleEF	LDT1	7.9800e-004	6.6700e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT2	6.9330e-003	4.8260e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.06
tblVehicleEF	LDT2	1.85	2.89
tblVehicleEF	LDT2	363.70	344.02
tblVehicleEF	LDT2	81.97	72.94
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003

tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.6440e-003	3.4040e-003
tblVehicleEF	LDT2	8.5100e-004	7.2200e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	7.8730e-003	5.5090e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.30
tblVehicleEF	LDT2	1.53	2.39
tblVehicleEF	LDT2	397.09	369.57
tblVehicleEF	LDT2	81.97	71.94
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003

tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	3.9810e-003	3.6570e-003
tblVehicleEF	LDT2	8.4600e-004	7.1200e-004
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	6.7430e-003	4.7100e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.01
tblVehicleEF	LDT2	1.82	2.84
tblVehicleEF	LDT2	355.82	337.97
tblVehicleEF	LDT2	81.97	72.85
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LDT2	3.5650e-003	3.3440e-003
tblVehicleEF	LDT2	8.5100e-004	7.2100e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.4860e-003	4.9840e-003
tblVehicleEF	LHD1	0.01	7.1410e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.99
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.26	1.69
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01

tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6200e-004	1.0900e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.0000e-003
tblVehicleEF	LHD1	0.01	7.3180e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.18	0.99

tblVehicleEF	LHD1	2.58	1.00
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.98
tblVehicleEF	LHD1	30.92	10.87
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.12	1.58
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0370e-003	6.3960e-003
tblVehicleEF	LHD1	3.5800e-004	1.0800e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03

tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	4.9870e-003
tblVehicleEF	LHD1	0.01	7.1590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.72	1.05
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.96
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.22	1.66
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003

tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6100e-004	1.0800e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.4060e-003
tblVehicleEF	LHD2	5.2410e-003	4.5240e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.29	0.64
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.51
tblVehicleEF	LHD2	24.89	7.96
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.69	1.81
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7300e-004	7.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4160e-003
tblVehicleEF	LHD2	5.3190e-003	4.5750e-003
tblVehicleEF	LHD2	8.7380e-003	9.6870e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.56	0.62
tblVehicleEF	LHD2	1.21	0.60

tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.89
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.70
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7100e-004	7.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.07	0.08

tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4070e-003
tblVehicleEF	LHD2	5.2490e-003	4.5300e-003
tblVehicleEF	LHD2	9.0820e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.27	0.63
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.94
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.67	1.78
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.33

tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7200e-004	7.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	21.16
tblVehicleEF	MCY	9.91	8.77
tblVehicleEF	MCY	167.12	211.16
tblVehicleEF	MCY	46.87	61.87
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.26	2.26
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.17	1.92

tblVehicleEF	MCY	2.0790e-003	2.0900e-003
tblVehicleEF	MCY	6.9500e-004	6.1200e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.76	2.76
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.37	2.08
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	21.29
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	211.14
tblVehicleEF	MCY	46.87	59.68
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.19	2.19
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0790e-003	2.0890e-003
tblVehicleEF	MCY	6.7100e-004	5.9100e-004

tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.69	2.68
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	20.18
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	209.47
tblVehicleEF	MCY	46.87	61.06
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.22	2.22
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.10	1.84
tblVehicleEF	MCY	2.0630e-003	2.0730e-003
tblVehicleEF	MCY	6.8600e-004	6.0400e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12

tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.71	2.71
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.28	2.00
tblVehicleEF	MDV	0.01	6.6050e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.33
tblVehicleEF	MDV	3.59	3.53
tblVehicleEF	MDV	498.66	425.70
tblVehicleEF	MDV	110.76	90.07
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	5.0000e-003	4.2090e-003
tblVehicleEF	MDV	1.1710e-003	8.9100e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04

tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	0.02	7.4780e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.60
tblVehicleEF	MDV	2.99	2.92
tblVehicleEF	MDV	542.90	452.84
tblVehicleEF	MDV	110.76	88.84
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	5.4470e-003	4.4780e-003
tblVehicleEF	MDV	1.1600e-003	8.7900e-004
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.46

tblVehicleEF	MDV	0.01	6.4310e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.47
tblVehicleEF	MDV	488.33	419.25
tblVehicleEF	MDV	110.76	89.97
tblVehicleEF	MDV	0.19	0.13
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.28	0.49
tblVehicleEF	MDV	4.8960e-003	4.1450e-003
tblVehicleEF	MDV	1.1700e-003	8.9000e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	3.60	0.37
tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.70
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	3.74	0.37
tblVehicleEF	MH	6.31	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.42
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.0900e-004	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	3.61	0.37
tblVehicleEF	MH	6.87	0.00
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tblVehicleEF	MH	1.61	4.62
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
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tblVehicleEF	MH	3.2210e-003	4.0000e-003
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tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.1900e-004	0.00
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tblVehicleEF	MH	0.12	0.00
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tblVehicleEF	MHD	5.5780e-003	0.06
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tblVehicleEF	MHD	7.1400e-004	3.2600e-004
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tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
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tblVehicleEF	MHD	0.02	0.11
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tblVehicleEF	MHD	0.02	3.0610e-003
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tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	3.5300e-004	1.6310e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
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tblVehicleEF	MHD	0.01	9.8100e-003
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tblVehicleEF	MHD	5.5780e-003	0.06
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tblVehicleEF	MHD	5.0900e-004	2.3480e-003

tblVehicleEF	MHD	5.3330e-003	0.06
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tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.8100e-003
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tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
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tblVehicleEF	OBUS	1,126.32	1,507.23

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tblVehicleEF	OBUS	1.1300e-004	1.5090e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.0800e-004	1.4440e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	6.5300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.2000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
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tblVehicleEF	OBUS	0.01	9.3930e-003

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tblVehicleEF	OBUS	1.02	1.35
tblVehicleEF	OBUS	9.5000e-005	1.2750e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	9.1000e-005	1.2200e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
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tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
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tblVehicleEF	OBUS	0.04	0.05
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tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	7.1200e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	4.3510e-003	5.4910e-003

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tblVehicleEF	SBUS	0.03	0.03

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tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
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tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
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tblVehicleEF	UBUS	0.07	2.5170e-003

tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
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tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	0.67	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.5760e-003	1.6800e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	2.69	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.16	0.07
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	32.64
tblVehicleEF	UBUS	14.43	1.42
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.36
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003

tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.17	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6140e-003	1.7200e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.28	0.08
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWater	IndoorWaterUseRate	9,577,641.77	0.00
tblWater	OutdoorWaterUseRate	6,038,078.50	0.00
tblWoodstoves	NumberCatalytic	7.35	0.00
tblWoodstoves	NumberNoncatalytic	7.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.6521	79.7247	27.9152	0.1642	21.9792	2.7888	24.7681	10.3848	2.5657	12.9506	0.0000	17,015.5673	17,015.5673	2.0598	0.0000	17,067.0633
2021	49.7306	39.0795	26.7068	0.0760	2.3689	1.4973	3.8662	0.6351	1.3972	2.0322	0.0000	7,476.0484	7,476.0484	1.2630	0.0000	7,507.6241
Maximum	**49.7306**	**79.7247**	**27.9152**	**0.1642**	**21.9792**	**2.7888**	**24.7681**	**10.3848**	**2.5657**	**12.9506**	**0.0000**	**17,015.5673**	**17,015.5673**	**2.0598**	**0.0000**	**17,067.0633**

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					
2020	4.0524	69.7964	29.9315	0.1642	8.6946	1.6625	10.3571	4.0826	1.5752	5.6578	0.0000	17,015.5673	17,015.5673	2.0598	0.0000	17,067.0633
2021	49.7306	35.1939	28.8010	0.0760	2.3689	1.3525	3.7214	0.6351	1.2775	1.9126	0.0000	7,476.0484	7,476.0484	1.2630	0.0000	7,507.6241
Maximum	**49.7306**	**69.7964**	**29.9315**	**0.1642**	**8.6946**	**1.6625**	**10.3571**	**4.0826**	**1.5752**	**5.6578**	**0.0000**	**17,015.5673**	**17,015.5673**	**2.0598**	**0.0000**	**17,067.0633**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**2.89**	**11.63**	**-7.53**	**0.00**	**54.56**	**29.66**	**50.83**	**57.19**	**28.01**	**49.47**	**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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
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	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
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	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/14/2020	5	10	
2	Grading	Grading	4/15/2020	5/12/2020	5	20	
3	Building Construction	Building Construction	5/13/2020	3/30/2021	5	230	
4	Paving	Paving	3/31/2021	4/27/2021	5	20	
5	Architectural Coating	Architectural Coating	4/28/2021	5/25/2021	5	20	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 50

Acres of Paving: 4.32

Residential Indoor: 301,822; Residential Outdoor: 100,607; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,302 (Architectural Coating – sqft)

OffRoad Equipment

Casa Loma Residential (Construction - Mitigated) - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	3,025.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	5.5539	63.7874	22.3947	0.0570		2.7875	2.7875		2.5645	2.5645		5,523.5812	5,523.5812	1.7864		5,568.2421
Total	**5.5539**	**63.7874**	**22.3947**	**0.0570**	**21.7780**	**2.7875**	**24.5655**	**10.3315**	**2.5645**	**12.8960**		**5,523.5812**	**5,523.5812**	**1.7864**		**5,568.2421**

3.2 Site Preparation - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0631	0.8095	2.0400e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		203.4151	203.4151	6.2100e-003		203.5704
Total	**0.0982**	**0.0631**	**0.8095**	**2.0400e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**203.4151**	**203.4151**	**6.2100e-003**		**203.5704**

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					8.4934	0.0000	8.4934	4.0293	0.0000	4.0293			0.0000			0.0000
Off-Road	2.9781	41.4377	25.9809	0.0570		1.6612	1.6612		1.5740	1.5740	0.0000	5,523.5812	5,523.5812	1.7864		5,568.2421
Total	**2.9781**	**41.4377**	**25.9809**	**0.0570**	**8.4934**	**1.6612**	**10.1546**	**4.0293**	**1.5740**	**5.6033**	**0.0000**	**5,523.5812**	**5,523.5812**	**1.7864**		**5,568.2421**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0631	0.8095	2.0400e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		203.4151	203.4151	6.2100e-003		203.5704
Total	**0.0982**	**0.0631**	**0.8095**	**2.0400e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**203.4151**	**203.4151**	**6.2100e-003**		**203.5704**

3.3 Grading - 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					
Fugitive Dust					8.8102	0.0000	8.8102	3.6172	0.0000	3.6172			0.0000			0.0000
Off-Road	3.5369	42.4134	16.7138	0.0439		1.7160	1.7160		1.5787	1.5787		4,251.3448	4,251.3448	1.3750		4,285.7191
Total	**3.5369**	**42.4134**	**16.7138**	**0.0439**	**8.8102**	**1.7160**	**10.5262**	**3.6172**	**1.5787**	**5.1960**		**4,251.3448**	**4,251.3448**	**1.3750**		**4,285.7191**

3.3 Grading - 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	lb/day										lb/day					
Hauling	0.9396	37.2587	5.4981	0.1187	2.6470	0.1110	2.7580	0.7257	0.1062	0.8319		12,594.7098	12,594.7098	0.6797		12,611.7022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
Total	**1.0215**	**37.3112**	**6.1727**	**0.1204**	**2.8147**	**0.1121**	**2.9268**	**0.7702**	**0.1072**	**0.8774**		**12,764.2225**	**12,764.2225**	**0.6849**		**12,781.3442**

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					3.4360	0.0000	3.4360	1.4107	0.0000	1.4107			0.0000			0.0000
Off-Road	2.4210	32.4851	19.0294	0.0439		1.2478	1.2478		1.1708	1.1708	0.0000	4,251.3448	4,251.3448	1.3750		4,285.7191
Total	**2.4210**	**32.4851**	**19.0294**	**0.0439**	**3.4360**	**1.2478**	**4.6838**	**1.4107**	**1.1708**	**2.5815**	**0.0000**	**4,251.3448**	**4,251.3448**	**1.3750**		**4,285.7191**

3.3 Grading - 2020

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	0.9396	37.2587	5.4981	0.1187	2.6470	0.1110	2.7580	0.7257	0.1062	0.8319		12,594.7098	12,594.7098	0.6797		12,611.7022
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
Total	**1.0215**	**37.3112**	**6.1727**	**0.1204**	**2.8147**	**0.1121**	**2.9268**	**0.7702**	**0.1072**	**0.8774**		**12,764.2225**	**12,764.2225**	**0.6849**		**12,781.3442**

3.4 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	3.3632	36.6770	18.6286	0.0430		1.6373	1.6373		1.5290	1.5290		4,114.5597	4,114.5597	1.1279		4,142.7566
Total	**3.3632**	**36.6770**	**18.6286**	**0.0430**		**1.6373**	**1.6373**		**1.5290**	**1.5290**		**4,114.5597**	**4,114.5597**	**1.1279**		**4,142.7566**

3.4 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	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	0.1427	4.9599	0.9666	0.0128	0.3010	0.0228	0.3239	0.0867	0.0218	0.1085		1,344.6765	1,344.6765	0.0873		1,346.8600
Worker	1.0097	0.6480	8.3199	0.0210	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		2,090.6556	2,090.6556	0.0638		2,092.2512
Total	**1.1524**	**5.6079**	**9.2866**	**0.0338**	**2.3689**	**0.0364**	**2.4053**	**0.6351**	**0.0343**	**0.6694**		**3,435.3321**	**3,435.3321**	**0.1512**		**3,439.1112**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9000	32.2159	20.6450	0.0430		1.4703	1.4703		1.3890	1.3890	0.0000	4,114.5597	4,114.5597	1.1279		4,142.7566
Total	**2.9000**	**32.2159**	**20.6450**	**0.0430**		**1.4703**	**1.4703**		**1.3890**	**1.3890**	**0.0000**	**4,114.5597**	**4,114.5597**	**1.1279**		**4,142.7566**

3.4 Building Construction - 2020

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	0.1427	4.9599	0.9666	0.0128	0.3010	0.0228	0.3239	0.0867	0.0218	0.1085		1,344.6765	1,344.6765	0.0873		1,346.8600
Worker	1.0097	0.6480	8.3199	0.0210	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		2,090.6556	2,090.6556	0.0638		2,092.2512
Total	**1.1524**	**5.6079**	**9.2866**	**0.0338**	**2.3689**	**0.0364**	**2.4053**	**0.6351**	**0.0343**	**0.6694**		**3,435.3321**	**3,435.3321**	**0.1512**		**3,439.1112**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775		4,114.4297	4,114.4297	1.1209		4,142.4520
Total	**3.1137**	**33.9659**	**18.1952**	**0.0430**		**1.4763**	**1.4763**		**1.3775**	**1.3775**		**4,114.4297**	**4,114.4297**	**1.1209**		**4,142.4520**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1216	4.5326	0.8529	0.0127	0.3010	7.7700e-003	0.3088	0.0867	7.4300e-003	0.0941		1,337.5698	1,337.5698	0.0845		1,339.6830
Worker	0.9400	0.5810	7.6587	0.0203	2.0679	0.0132	2.0811	0.5484	0.0122	0.5606		2,024.0490	2,024.0490	0.0576		2,025.4891
Total	**1.0616**	**5.1136**	**8.5116**	**0.0330**	**2.3689**	**0.0210**	**2.3899**	**0.6351**	**0.0196**	**0.6547**		**3,361.6187**	**3,361.6187**	**0.1421**		**3,365.1721**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6841	30.0804	20.2894	0.0430		1.3315	1.3315		1.2579	1.2579	0.0000	4,114.4297	4,114.4297	1.1209		4,142.4520
Total	**2.6841**	**30.0804**	**20.2894**	**0.0430**		**1.3315**	**1.3315**		**1.2579**	**1.2579**	**0.0000**	**4,114.4297**	**4,114.4297**	**1.1209**		**4,142.4520**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1216	4.5326	0.8529	0.0127	0.3010	7.7700e-003	0.3088	0.0867	7.4300e-003	0.0941		1,337.5698	1,337.5698	0.0845		1,339.6830
Worker	0.9400	0.5810	7.6587	0.0203	2.0679	0.0132	2.0811	0.5484	0.0122	0.5606		2,024.0490	2,024.0490	0.0576		2,025.4891
Total	**1.0616**	**5.1136**	**8.5116**	**0.0330**	**2.3689**	**0.0210**	**2.3899**	**0.6351**	**0.0196**	**0.6547**		**3,361.6187**	**3,361.6187**	**0.1421**		**3,365.1721**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4376**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4376**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0762	0.0471	0.6210	1.6500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		164.1121	164.1121	4.6700e-003		164.2289
Total	**0.0762**	**0.0471**	**0.6210**	**1.6500e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**164.1121**	**164.1121**	**4.6700e-003**		**164.2289**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.2507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079
Total	**49.5426**	**2.0358**	**2.4234**	**3.9600e-003**		**0.1255**	**0.1255**		**0.1255**	**0.1255**		**375.2641**	**375.2641**	**0.0258**		**375.9079**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1880	0.1162	1.5317	4.0700e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		404.8098	404.8098	0.0115		405.0978
Total	**0.1880**	**0.1162**	**1.5317**	**4.0700e-003**	**0.4136**	**2.6500e-003**	**0.4162**	**0.1097**	**2.4400e-003**	**0.1121**		**404.8098**	**404.8098**	**0.0115**		**405.0978**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.2507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079
Total	**49.5426**	**2.0358**	**2.4234**	**3.9600e-003**		**0.1255**	**0.1255**		**0.1255**	**0.1255**	**0.0000**	**375.2641**	**375.2641**	**0.0258**		**375.9079**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1880	0.1162	1.5317	4.0700e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		404.8098	404.8098	0.0115		405.0978
Total	**0.1880**	**0.1162**	**1.5317**	**4.0700e-003**	**0.4136**	**2.6500e-003**	**0.4162**	**0.1097**	**2.4400e-003**	**0.1121**		**404.8098**	**404.8098**	**0.0115**		**405.0978**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
Unmitigated	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446

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	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**		**0.0671**	**0.0671**		**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**		**0.0671**	**0.0671**		**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Casa Loma Residential (Construction - Mitigated)

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.95	1000sqft	0.66	28,953.00	0
Other Non-Asphalt Surfaces	127.76	1000sqft	2.93	127,762.00	0
Parking Lot	179.00	Space	0.73	31,650.00	0
Apartments Low Rise	147.00	Dwelling Unit	1.14	149,048.00	394

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Other Non-Asphalt Surfaces = Landscape, Open Space, and Parking Landscape areas. Parking Lot = Carport and Open Stall Spaces. Other Asphalt Surfaces = Paved Areas.

Construction Phase -

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

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Grading - For purposes of analysis, total acres graded per day is based on the equipment specific grading rates (CalEEMod Appendix A) and the equipment list.

Vehicle Trips - Construction Run Only.

Woodstoves - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - All equipment operating at >150 HP during site preparation activities are required to be equipped with Tier 3 or better engines.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00

tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	877.14	0.00
tblEnergyUse	T24NG	9,544.50	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	124.95	0.00
tblFireplaces	NumberNoFireplace	14.70	0.00
tblFireplaces	NumberWood	7.35	0.00
tblGrading	AcresOfGrading	40.00	50.00
tblGrading	AcresOfGrading	20.00	35.00
tblGrading	MaterialImported	0.00	24,200.00
tblLandUse	LandUseSquareFeet	71,600.00	31,650.00
tblLandUse	LandUseSquareFeet	147,000.00	149,048.00
tblLandUse	LotAcreage	1.61	0.73
tblLandUse	LotAcreage	9.19	1.14
tblLandUse	Population	420.00	394.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	67.62	0.00
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.06

tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.82
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.92	2.4420e-003
tblVehicleEF	HHD	6,983.95	1,459.93
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.07	7.65
tblVehicleEF	HHD	2.87	3.24
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
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tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	1.02	0.68
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.06
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03

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tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
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tblVehicleEF	HHD	1.2900e-004	6.0000e-006
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tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
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tblVehicleEF	HHD	1.2900e-004	6.0000e-006
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tblVehicleEF	HHD	2.4800e-004	6.5700e-004
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tblVehicleEF	HHD	26.84	7.90
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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8160e-003
tblVehicleEF	HHD	0.01	0.05
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tblVehicleEF	HHD	5.6000e-005	2.0000e-006
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tblVehicleEF	HHD	2.5900e-004	6.6600e-004
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tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
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tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.25
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tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02

tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	5.3170e-003	3.2030e-003
tblVehicleEF	LDA	5.3900e-003	0.05
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tblVehicleEF	LDA	1.5790e-003	1.4050e-003
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tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
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tblVehicleEF	LDA	6.1100e-004	5.4200e-004
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23

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tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.5640e-003	2.6070e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.07
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tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.27
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tblVehicleEF	LDT1	0.02	0.09

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tblVehicleEF	LDT1	72.77	67.44
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tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
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tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
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tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
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tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.29	0.48
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tblVehicleEF	LDT1	7.9900e-004	6.6700e-004
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tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.05
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tblVehicleEF	LDT1	3.30	2.10

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tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.24	0.41
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tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.06	0.06
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tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	7.9980e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.55
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tblVehicleEF	LDT1	316.91	312.93
tblVehicleEF	LDT1	72.77	67.36

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tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.28	0.48
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tblVehicleEF	LDT1	7.9800e-004	6.6700e-004
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tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT2	6.9330e-003	4.8260e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
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tblVehicleEF	LDT2	81.97	72.94
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tblVehicleEF	LDT2	1.7370e-003	1.5970e-003

tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
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tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.6440e-003	3.4040e-003
tblVehicleEF	LDT2	8.5100e-004	7.2200e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	7.8730e-003	5.5090e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
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tblVehicleEF	LDT2	1.53	2.39
tblVehicleEF	LDT2	397.09	369.57
tblVehicleEF	LDT2	81.97	71.94
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003

tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	3.9810e-003	3.6570e-003
tblVehicleEF	LDT2	8.4600e-004	7.1200e-004
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	6.7430e-003	4.7100e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.01
tblVehicleEF	LDT2	1.82	2.84
tblVehicleEF	LDT2	355.82	337.97
tblVehicleEF	LDT2	81.97	72.85
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LDT2	3.5650e-003	3.3440e-003
tblVehicleEF	LDT2	8.5100e-004	7.2100e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.4860e-003	4.9840e-003
tblVehicleEF	LHD1	0.01	7.1410e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.99
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.26	1.69
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01

tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6200e-004	1.0900e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.0000e-003
tblVehicleEF	LHD1	0.01	7.3180e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.18	0.99

tblVehicleEF	LHD1	2.58	1.00
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.98
tblVehicleEF	LHD1	30.92	10.87
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.12	1.58
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0370e-003	6.3960e-003
tblVehicleEF	LHD1	3.5800e-004	1.0800e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03

tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	4.9870e-003
tblVehicleEF	LHD1	0.01	7.1590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.72	1.05
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.96
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.22	1.66
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003

tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6100e-004	1.0800e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.4060e-003
tblVehicleEF	LHD2	5.2410e-003	4.5240e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.29	0.64
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.51
tblVehicleEF	LHD2	24.89	7.96
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.69	1.81
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7300e-004	7.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4160e-003
tblVehicleEF	LHD2	5.3190e-003	4.5750e-003
tblVehicleEF	LHD2	8.7380e-003	9.6870e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.56	0.62
tblVehicleEF	LHD2	1.21	0.60

tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.89
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.70
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7100e-004	7.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.07	0.08

tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4070e-003
tblVehicleEF	LHD2	5.2490e-003	4.5300e-003
tblVehicleEF	LHD2	9.0820e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.27	0.63
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.94
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.67	1.78
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.33

tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7200e-004	7.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	21.16
tblVehicleEF	MCY	9.91	8.77
tblVehicleEF	MCY	167.12	211.16
tblVehicleEF	MCY	46.87	61.87
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.26	2.26
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.17	1.92

tblVehicleEF	MCY	2.0790e-003	2.0900e-003
tblVehicleEF	MCY	6.9500e-004	6.1200e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.76	2.76
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.37	2.08
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	21.29
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	211.14
tblVehicleEF	MCY	46.87	59.68
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.19	2.19
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0790e-003	2.0890e-003
tblVehicleEF	MCY	6.7100e-004	5.9100e-004

tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.69	2.68
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	20.18
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	209.47
tblVehicleEF	MCY	46.87	61.06
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.22	2.22
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.10	1.84
tblVehicleEF	MCY	2.0630e-003	2.0730e-003
tblVehicleEF	MCY	6.8600e-004	6.0400e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12

tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.71	2.71
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.28	2.00
tblVehicleEF	MDV	0.01	6.6050e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.33
tblVehicleEF	MDV	3.59	3.53
tblVehicleEF	MDV	498.66	425.70
tblVehicleEF	MDV	110.76	90.07
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	5.0000e-003	4.2090e-003
tblVehicleEF	MDV	1.1710e-003	8.9100e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04

tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	0.02	7.4780e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.60
tblVehicleEF	MDV	2.99	2.92
tblVehicleEF	MDV	542.90	452.84
tblVehicleEF	MDV	110.76	88.84
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	5.4470e-003	4.4780e-003
tblVehicleEF	MDV	1.1600e-003	8.7900e-004
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.46

tblVehicleEF	MDV	0.01	6.4310e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.47
tblVehicleEF	MDV	488.33	419.25
tblVehicleEF	MDV	110.76	89.97
tblVehicleEF	MDV	0.19	0.13
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.28	0.49
tblVehicleEF	MDV	4.8960e-003	4.1450e-003
tblVehicleEF	MDV	1.1700e-003	8.9000e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	3.60	0.37
tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.70
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	3.74	0.37
tblVehicleEF	MH	6.31	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.42
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
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tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
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tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	3.61	0.37
tblVehicleEF	MH	6.87	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.61	4.62
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tblVehicleEF	MH	0.04	0.15
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tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.1900e-004	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.17	0.10
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tblVehicleEF	MH	0.43	0.00
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tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
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tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
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tblVehicleEF	MHD	7.1400e-004	3.2600e-004
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tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4400e-004	8.3000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	0.02	3.0610e-003
tblVehicleEF	MHD	4.2290e-003	6.0860e-003
tblVehicleEF	MHD	0.05	8.4200e-003
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tblVehicleEF	MHD	0.32	0.56
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tblVehicleEF	MHD	1,105.72	1,029.54
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tblVehicleEF	MHD	0.65	0.62
tblVehicleEF	MHD	1.01	2.09
tblVehicleEF	MHD	3.6900e-004	1.7050e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	3.5300e-004	1.6310e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.04	0.10

tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.04
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tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.3800e-004	8.2000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
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tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	0.02	3.4660e-003
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tblVehicleEF	MHD	1.06	2.18
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tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	5.0900e-004	2.3480e-003

tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4300e-004	8.3000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
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tblVehicleEF	OBUS	0.03	0.03
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tblVehicleEF	OBUS	1,126.32	1,507.23

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tblVehicleEF	OBUS	1.1300e-004	1.5090e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.0800e-004	1.4440e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	6.5300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.2000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
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tblVehicleEF	OBUS	0.04	0.05
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tblVehicleEF	OBUS	0.39	0.13
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tblVehicleEF	OBUS	4.3510e-003	5.4910e-003

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tblVehicleEF	SBUS	0.03	0.03

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tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
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tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
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tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004

tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.0910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.03
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.79	32.64
tblVehicleEF	UBUS	14.93	1.46
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.41
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003

tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.19	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.7200e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.30	0.08
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.90	32.64
tblVehicleEF	UBUS	12.23	1.20
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	16.98
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03

tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	0.67	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.5760e-003	1.6800e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	2.69	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.16	0.07
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	32.64
tblVehicleEF	UBUS	14.43	1.42
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.36
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003

tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.17	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6140e-003	1.7200e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.28	0.08
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWater	IndoorWaterUseRate	9,577,641.77	0.00
tblWater	OutdoorWaterUseRate	6,038,078.50	0.00
tblWoodstoves	NumberCatalytic	7.35	0.00
tblWoodstoves	NumberNoncatalytic	7.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.6522	79.9253	26.5870	0.1610	21.9792	2.7888	24.7681	10.3848	2.5657	12.9506	0.0000	16,669.7178	16,669.7178	2.1171	0.0000	16,722.6448
2021	49.7310	39.0614	25.4746	0.0735	2.3689	1.4975	3.8664	0.6351	1.3974	2.0324	0.0000	7,215.8155	7,215.8155	1.2651	0.0000	7,247.4437
Maximum	**49.7310**	**79.9253**	**26.5870**	**0.1610**	**21.9792**	**2.7888**	**24.7681**	**10.3848**	**2.5657**	**12.9506**	**0.0000**	**16,669.7178**	**16,669.7178**	**2.1171**	**0.0000**	**16,722.6448**

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					
2020	4.0608	69.9970	28.6033	0.1610	8.6946	1.6625	10.3571	4.0826	1.5752	5.6578	0.0000	16,669.7178	16,669.7178	2.1171	0.0000	16,722.6448
2021	49.7310	35.1758	27.5688	0.0735	2.3689	1.3527	3.7216	0.6351	1.2777	1.9128	0.0000	7,215.8155	7,215.8155	1.2651	0.0000	7,247.4437
Maximum	**49.7310**	**69.9970**	**28.6033**	**0.1610**	**8.6946**	**1.6625**	**10.3571**	**4.0826**	**1.5752**	**5.6578**	**0.0000**	**16,669.7178**	**16,669.7178**	**2.1171**	**0.0000**	**16,722.6448**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**2.87**	**11.61**	**-7.90**	**0.00**	**54.56**	**29.66**	**50.83**	**57.19**	**28.01**	**49.47**	**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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
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	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
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	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/14/2020	5	10	
2	Grading	Grading	4/15/2020	5/12/2020	5	20	
3	Building Construction	Building Construction	5/13/2020	3/30/2021	5	230	
4	Paving	Paving	3/31/2021	4/27/2021	5	20	
5	Architectural Coating	Architectural Coating	4/28/2021	5/25/2021	5	20	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 50

Acres of Paving: 4.32

Residential Indoor: 301,822; Residential Outdoor: 100,607; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,302 (Architectural Coating – sqft)

OffRoad Equipment

Casa Loma Residential (Construction - Mitigated) - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	3,025.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	5.5539	63.7874	22.3947	0.0570		2.7875	2.7875		2.5645	2.5645		5,523.5812	5,523.5812	1.7864		5,568.2421
Total	**5.5539**	**63.7874**	**22.3947**	**0.0570**	**21.7780**	**2.7875**	**24.5655**	**10.3315**	**2.5645**	**12.8960**		**5,523.5812**	**5,523.5812**	**1.7864**		**5,568.2421**

3.2 Site Preparation - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0663	0.6653	1.8300e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		182.4750	182.4750	5.4500e-003		182.6112
Total	**0.0983**	**0.0663**	**0.6653**	**1.8300e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**182.4750**	**182.4750**	**5.4500e-003**		**182.6112**

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					8.4934	0.0000	8.4934	4.0293	0.0000	4.0293			0.0000			0.0000
Off-Road	2.9781	41.4377	25.9809	0.0570		1.6612	1.6612		1.5740	1.5740	0.0000	5,523.5812	5,523.5812	1.7864		5,568.2421
Total	**2.9781**	**41.4377**	**25.9809**	**0.0570**	**8.4934**	**1.6612**	**10.1546**	**4.0293**	**1.5740**	**5.6033**	**0.0000**	**5,523.5812**	**5,523.5812**	**1.7864**		**5,568.2421**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0983	0.0663	0.6653	1.8300e-003	0.2012	1.3200e-003	0.2025	0.0534	1.2100e-003	0.0546		182.4750	182.4750	5.4500e-003		182.6112
Total	**0.0983**	**0.0663**	**0.6653**	**1.8300e-003**	**0.2012**	**1.3200e-003**	**0.2025**	**0.0534**	**1.2100e-003**	**0.0546**		**182.4750**	**182.4750**	**5.4500e-003**		**182.6112**

3.3 Grading - 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					
Fugitive Dust					8.8102	0.0000	8.8102	3.6172	0.0000	3.6172			0.0000			0.0000
Off-Road	3.5369	42.4134	16.7138	0.0439		1.7160	1.7160		1.5787	1.5787		4,251.3448	4,251.3448	1.3750		4,285.7191
Total	**3.5369**	**42.4134**	**16.7138**	**0.0439**	**8.8102**	**1.7160**	**10.5262**	**3.6172**	**1.5787**	**5.1960**		**4,251.3448**	**4,251.3448**	**1.3750**		**4,285.7191**

3.3 Grading - 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	lb/day										lb/day					
Hauling	0.9821	37.4565	6.2904	0.1156	2.6470	0.1125	2.7595	0.7257	0.1077	0.8334		12,266.3105	12,266.3105	0.7376		12,284.7498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
Total	**1.0640**	**37.5118**	**6.8449**	**0.1171**	**2.8147**	**0.1136**	**2.9283**	**0.7702**	**0.1087**	**0.8789**		**12,418.3730**	**12,418.3730**	**0.7421**		**12,436.9257**

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					3.4360	0.0000	3.4360	1.4107	0.0000	1.4107			0.0000			0.0000
Off-Road	2.4210	32.4851	19.0294	0.0439		1.2478	1.2478		1.1708	1.1708	0.0000	4,251.3448	4,251.3448	1.3750		4,285.7191
Total	**2.4210**	**32.4851**	**19.0294**	**0.0439**	**3.4360**	**1.2478**	**4.6838**	**1.4107**	**1.1708**	**2.5815**	**0.0000**	**4,251.3448**	**4,251.3448**	**1.3750**		**4,285.7191**

3.3 Grading - 2020

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	0.9821	37.4565	6.2904	0.1156	2.6470	0.1125	2.7595	0.7257	0.1077	0.8334		12,266.3105	12,266.3105	0.7376		12,284.7498
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0553	0.5544	1.5300e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		152.0625	152.0625	4.5400e-003		152.1760
Total	**1.0640**	**37.5118**	**6.8449**	**0.1171**	**2.8147**	**0.1136**	**2.9283**	**0.7702**	**0.1087**	**0.8789**		**12,418.3730**	**12,418.3730**	**0.7421**		**12,436.9257**

3.4 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	3.3632	36.6770	18.6286	0.0430		1.6373	1.6373		1.5290	1.5290		4,114.5597	4,114.5597	1.1279		4,142.7566
Total	**3.3632**	**36.6770**	**18.6286**	**0.0430**		**1.6373**	**1.6373**		**1.5290**	**1.5290**		**4,114.5597**	**4,114.5597**	**1.1279**		**4,142.7566**

3.4 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	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	0.1505	4.9196	1.1203	0.0123	0.3010	0.0231	0.3241	0.0867	0.0221	0.1088		1,292.5005	1,292.5005	0.0966		1,294.9147
Worker	1.0102	0.6819	6.8380	0.0188	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		1,875.4371	1,875.4371	0.0560		1,876.8368
Total	**1.1607**	**5.6015**	**7.9584**	**0.0311**	**2.3689**	**0.0367**	**2.4056**	**0.6351**	**0.0346**	**0.6697**		**3,167.9376**	**3,167.9376**	**0.1526**		**3,171.7515**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9000	32.2159	20.6450	0.0430		1.4703	1.4703		1.3890	1.3890	0.0000	4,114.5597	4,114.5597	1.1279		4,142.7566
Total	**2.9000**	**32.2159**	**20.6450**	**0.0430**		**1.4703**	**1.4703**		**1.3890**	**1.3890**	**0.0000**	**4,114.5597**	**4,114.5597**	**1.1279**		**4,142.7566**

3.4 Building Construction - 2020

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	0.1505	4.9196	1.1203	0.0123	0.3010	0.0231	0.3241	0.0867	0.0221	0.1088		1,292.5005	1,292.5005	0.0966		1,294.9147
Worker	1.0102	0.6819	6.8380	0.0188	2.0679	0.0136	2.0814	0.5484	0.0125	0.5609		1,875.4371	1,875.4371	0.0560		1,876.8368
Total	**1.1607**	**5.6015**	**7.9584**	**0.0311**	**2.3689**	**0.0367**	**2.4056**	**0.6351**	**0.0346**	**0.6697**		**3,167.9376**	**3,167.9376**	**0.1526**		**3,171.7515**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775		4,114.4297	4,114.4297	1.1209		4,142.4520
Total	**3.1137**	**33.9659**	**18.1952**	**0.0430**		**1.4763**	**1.4763**		**1.3775**	**1.3775**		**4,114.4297**	**4,114.4297**	**1.1209**		**4,142.4520**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1290	4.4843	0.9976	0.0122	0.3010	7.9900e-003	0.3090	0.0867	7.6400e-003	0.0943		1,285.6151	1,285.6151	0.0937		1,287.9574
Worker	0.9421	0.6111	6.2818	0.0182	2.0679	0.0132	2.0811	0.5484	0.0122	0.5606		1,815.7707	1,815.7707	0.0505		1,817.0343
Total	**1.0711**	**5.0954**	**7.2795**	**0.0304**	**2.3689**	**0.0212**	**2.3901**	**0.6351**	**0.0198**	**0.6549**		**3,101.3858**	**3,101.3858**	**0.1442**		**3,104.9916**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6841	30.0804	20.2894	0.0430		1.3315	1.3315		1.2579	1.2579	0.0000	4,114.4297	4,114.4297	1.1209		4,142.4520
Total	**2.6841**	**30.0804**	**20.2894**	**0.0430**		**1.3315**	**1.3315**		**1.2579**	**1.2579**	**0.0000**	**4,114.4297**	**4,114.4297**	**1.1209**		**4,142.4520**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1290	4.4843	0.9976	0.0122	0.3010	7.9900e-003	0.3090	0.0867	7.6400e-003	0.0943		1,285.6151	1,285.6151	0.0937		1,287.9574
Worker	0.9421	0.6111	6.2818	0.0182	2.0679	0.0132	2.0811	0.5484	0.0122	0.5606		1,815.7707	1,815.7707	0.0505		1,817.0343
Total	**1.0711**	**5.0954**	**7.2795**	**0.0304**	**2.3689**	**0.0212**	**2.3901**	**0.6351**	**0.0198**	**0.6549**		**3,101.3858**	**3,101.3858**	**0.1442**		**3,104.9916**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4376**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1821					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4376**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0764	0.0496	0.5093	1.4800e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.2247	147.2247	4.1000e-003		147.3271
Total	**0.0764**	**0.0496**	**0.5093**	**1.4800e-003**	**0.1677**	**1.0700e-003**	**0.1687**	**0.0445**	**9.9000e-004**	**0.0455**		**147.2247**	**147.2247**	**4.1000e-003**		**147.3271**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.2507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079
Total	**49.5426**	**2.0358**	**2.4234**	**3.9600e-003**		**0.1255**	**0.1255**		**0.1255**	**0.1255**		**375.2641**	**375.2641**	**0.0258**		**375.9079**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1884	0.1222	1.2564	3.6500e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		363.1541	363.1541	0.0101		363.4069
Total	**0.1884**	**0.1222**	**1.2564**	**3.6500e-003**	**0.4136**	**2.6500e-003**	**0.4162**	**0.1097**	**2.4400e-003**	**0.1121**		**363.1541**	**363.1541**	**0.0101**		**363.4069**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.2507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079
Total	**49.5426**	**2.0358**	**2.4234**	**3.9600e-003**		**0.1255**	**0.1255**		**0.1255**	**0.1255**	**0.0000**	**375.2641**	**375.2641**	**0.0258**		**375.9079**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1884	0.1222	1.2564	3.6500e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		363.1541	363.1541	0.0101		363.4069
Total	**0.1884**	**0.1222**	**1.2564**	**3.6500e-003**	**0.4136**	**2.6500e-003**	**0.4162**	**0.1097**	**2.4400e-003**	**0.1121**		**363.1541**	**363.1541**	**0.0101**		**363.4069**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446
Unmitigated	3.6592	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671	0.0000	21.9107	21.9107	0.0214	0.0000	22.4446

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	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**		**0.0671**	**0.0671**		**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.6592**	**0.1406**	**12.1885**	**6.4000e-004**		**0.0671**	**0.0671**		**0.0671**	**0.0671**	**0.0000**	**21.9107**	**21.9107**	**0.0214**	**0.0000**	**22.4446**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Casa Loma Residential (Construction - Mitigated)

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.95	1000sqft	0.66	28,953.00	0
Other Non-Asphalt Surfaces	127.76	1000sqft	2.93	127,762.00	0
Parking Lot	179.00	Space	0.73	31,650.00	0
Apartments Low Rise	147.00	Dwelling Unit	1.14	149,048.00	394

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Other Non-Asphalt Surfaces = Landscape, Open Space, and Parking Landscape areas. Parking Lot = Carport and Open Stall Spaces. Other Asphalt Surfaces = Paved Areas.

Construction Phase -

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

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Grading - For purposes of analysis, total acres graded per day is based on the equipment specific grading rates (CalEEMod Appendix A) and the equipment list.

Vehicle Trips - Construction Run Only.

Woodstoves - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation - All equipment operating at >150 HP during site preparation activities are required to be equipped with Tier 3 or better engines.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00

tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24NG	6,030.00	0.00
tblEnergyUse	T24E	877.14	0.00
tblEnergyUse	T24NG	9,544.50	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	124.95	0.00
tblFireplaces	NumberNoFireplace	14.70	0.00
tblFireplaces	NumberWood	7.35	0.00
tblGrading	AcresOfGrading	40.00	50.00
tblGrading	AcresOfGrading	20.00	35.00
tblGrading	MaterialImported	0.00	24,200.00
tblLandUse	LandUseSquareFeet	71,600.00	31,650.00
tblLandUse	LandUseSquareFeet	147,000.00	149,048.00
tblLandUse	LotAcreage	1.61	0.73
tblLandUse	LotAcreage	9.19	1.14
tblLandUse	Population	420.00	394.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	67.62	0.00
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.06

tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.82
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.92	2.4420e-003
tblVehicleEF	HHD	6,983.95	1,459.93
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.07	7.65
tblVehicleEF	HHD	2.87	3.24
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
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tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
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tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
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tblVehicleEF	HHD	5.5000e-005	1.0000e-006
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tblVehicleEF	HHD	0.03	0.03

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tblVehicleEF	HHD	5.0000e-005	1.0000e-006
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tblVehicleEF	HHD	1.2900e-004	6.0000e-006
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tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
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tblVehicleEF	HHD	1.2900e-004	6.0000e-006
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tblVehicleEF	HHD	2.4800e-004	6.5700e-004
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tblVehicleEF	HHD	0.06	0.06
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tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8160e-003
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tblVehicleEF	HHD	5.0000e-005	1.0000e-006
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tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
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tblVehicleEF	HHD	5.6000e-005	2.0000e-006
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tblVehicleEF	LDA	0.04	0.05
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tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
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tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23

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tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDA	0.04	0.25
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tblVehicleEF	LDT1	0.02	0.09

tblVehicleEF	LDT1	1.71	1.63
tblVehicleEF	LDT1	4.02	2.54
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tblVehicleEF	LDT1	72.77	67.44
tblVehicleEF	LDT1	0.18	0.15
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tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.29	0.48
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tblVehicleEF	LDT1	7.9900e-004	6.6700e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
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tblVehicleEF	LDT1	3.30	2.10

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tblVehicleEF	LDT1	72.77	66.47
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tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
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tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.24	0.41
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tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	7.9980e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.55
tblVehicleEF	LDT1	3.95	2.49
tblVehicleEF	LDT1	316.91	312.93
tblVehicleEF	LDT1	72.77	67.36

tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.0970e-003
tblVehicleEF	LDT1	7.9800e-004	6.6700e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT2	6.9330e-003	4.8260e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.06
tblVehicleEF	LDT2	1.85	2.89
tblVehicleEF	LDT2	363.70	344.02
tblVehicleEF	LDT2	81.97	72.94
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003

tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.6440e-003	3.4040e-003
tblVehicleEF	LDT2	8.5100e-004	7.2200e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	7.8730e-003	5.5090e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.30
tblVehicleEF	LDT2	1.53	2.39
tblVehicleEF	LDT2	397.09	369.57
tblVehicleEF	LDT2	81.97	71.94
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003

tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	3.9810e-003	3.6570e-003
tblVehicleEF	LDT2	8.4600e-004	7.1200e-004
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	6.7430e-003	4.7100e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.01
tblVehicleEF	LDT2	1.82	2.84
tblVehicleEF	LDT2	355.82	337.97
tblVehicleEF	LDT2	81.97	72.85
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11

tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LDT2	3.5650e-003	3.3440e-003
tblVehicleEF	LDT2	8.5100e-004	7.2100e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.4860e-003	4.9840e-003
tblVehicleEF	LHD1	0.01	7.1410e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.99
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.26	1.69
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01

tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6200e-004	1.0900e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.0000e-003
tblVehicleEF	LHD1	0.01	7.3180e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.18	0.99

tblVehicleEF	LHD1	2.58	1.00
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.98
tblVehicleEF	LHD1	30.92	10.87
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.12	1.58
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0370e-003	6.3960e-003
tblVehicleEF	LHD1	3.5800e-004	1.0800e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03

tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	4.9870e-003
tblVehicleEF	LHD1	0.01	7.1590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.72	1.05
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.96
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.22	1.66
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003

tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6100e-004	1.0800e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.4060e-003
tblVehicleEF	LHD2	5.2410e-003	4.5240e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.29	0.64
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.51
tblVehicleEF	LHD2	24.89	7.96
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.69	1.81
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7300e-004	7.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4160e-003
tblVehicleEF	LHD2	5.3190e-003	4.5750e-003
tblVehicleEF	LHD2	8.7380e-003	9.6870e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.56	0.62
tblVehicleEF	LHD2	1.21	0.60

tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.89
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.70
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7100e-004	7.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.07	0.08

tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4070e-003
tblVehicleEF	LHD2	5.2490e-003	4.5300e-003
tblVehicleEF	LHD2	9.0820e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.27	0.63
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.94
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.67	1.78
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.33

tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7200e-004	7.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	21.16
tblVehicleEF	MCY	9.91	8.77
tblVehicleEF	MCY	167.12	211.16
tblVehicleEF	MCY	46.87	61.87
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.26	2.26
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.17	1.92

tblVehicleEF	MCY	2.0790e-003	2.0900e-003
tblVehicleEF	MCY	6.9500e-004	6.1200e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.76	2.76
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.37	2.08
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	21.29
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	211.14
tblVehicleEF	MCY	46.87	59.68
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.19	2.19
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0790e-003	2.0890e-003
tblVehicleEF	MCY	6.7100e-004	5.9100e-004

tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.69	2.68
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	20.18
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	209.47
tblVehicleEF	MCY	46.87	61.06
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.22	2.22
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.10	1.84
tblVehicleEF	MCY	2.0630e-003	2.0730e-003
tblVehicleEF	MCY	6.8600e-004	6.0400e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12

tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.71	2.71
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.28	2.00
tblVehicleEF	MDV	0.01	6.6050e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.33
tblVehicleEF	MDV	3.59	3.53
tblVehicleEF	MDV	498.66	425.70
tblVehicleEF	MDV	110.76	90.07
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	5.0000e-003	4.2090e-003
tblVehicleEF	MDV	1.1710e-003	8.9100e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04

tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	0.02	7.4780e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.60
tblVehicleEF	MDV	2.99	2.92
tblVehicleEF	MDV	542.90	452.84
tblVehicleEF	MDV	110.76	88.84
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	5.4470e-003	4.4780e-003
tblVehicleEF	MDV	1.1600e-003	8.7900e-004
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.46

tblVehicleEF	MDV	0.01	6.4310e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.47
tblVehicleEF	MDV	488.33	419.25
tblVehicleEF	MDV	110.76	89.97
tblVehicleEF	MDV	0.19	0.13
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.28	0.49
tblVehicleEF	MDV	4.8960e-003	4.1450e-003
tblVehicleEF	MDV	1.1700e-003	8.9000e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00

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tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.70
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00

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tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.42
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
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tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.0650e-003
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tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	3.61	0.37
tblVehicleEF	MH	6.87	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.61	4.62
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
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tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.1900e-004	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
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tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.43	0.00
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tblVehicleEF	MHD	4.1450e-003	6.0340e-003

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tblVehicleEF	MHD	1,105.72	1,029.53
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tblVehicleEF	MHD	4.3700e-004	2.0190e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	4.1800e-004	1.9320e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4400e-004	8.3000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	0.02	3.0610e-003
tblVehicleEF	MHD	4.2290e-003	6.0860e-003
tblVehicleEF	MHD	0.05	8.4200e-003
tblVehicleEF	MHD	0.24	0.28
tblVehicleEF	MHD	0.32	0.56
tblVehicleEF	MHD	5.61	0.96
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tblVehicleEF	MHD	1,105.72	1,029.54
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tblVehicleEF	MHD	0.65	0.62
tblVehicleEF	MHD	1.01	2.09
tblVehicleEF	MHD	3.6900e-004	1.7050e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	3.5300e-004	1.6310e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.04	0.10

tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	1.5770e-003	6.8600e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.3800e-004	8.2000e-005
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tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
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tblVehicleEF	MHD	0.02	0.12
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tblVehicleEF	MHD	1.06	2.18
tblVehicleEF	MHD	5.3200e-004	2.4540e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	5.0900e-004	2.3480e-003

tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.8100e-003
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tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
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tblVehicleEF	OBUS	0.03	0.03
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tblVehicleEF	OBUS	0.73	1.19
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tblVehicleEF	OBUS	70.21	68.33
tblVehicleEF	OBUS	1,126.32	1,507.23

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tblVehicleEF	OBUS	1.1300e-004	1.5090e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.0800e-004	1.4440e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	6.5300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.2000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.3930e-003

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tblVehicleEF	OBUS	0.03	0.02
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tblVehicleEF	OBUS	1.02	1.35
tblVehicleEF	OBUS	9.5000e-005	1.2750e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	9.1000e-005	1.2200e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
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tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
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tblVehicleEF	OBUS	0.04	0.05
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tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	7.1200e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.1600e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003

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tblVehicleEF	OBUS	0.03	0.03
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tblVehicleEF	OBUS	1.3100e-004	1.7520e-003
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tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
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tblVehicleEF	SBUS	0.01	4.4720e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03

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tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
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tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	3.2020e-003
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tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
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tblVehicleEF	SBUS	0.01	0.04
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tblVehicleEF	SBUS	0.01	7.4900e-003
tblVehicleEF	SBUS	0.06	3.2450e-003
tblVehicleEF	SBUS	5.48	1.78
tblVehicleEF	SBUS	0.72	0.64

tblVehicleEF	SBUS	3.76	0.38
tblVehicleEF	SBUS	1,335.64	345.46
tblVehicleEF	SBUS	1,144.20	1,143.58
tblVehicleEF	SBUS	36.06	2.85
tblVehicleEF	SBUS	12.86	3.52
tblVehicleEF	SBUS	4.84	5.03
tblVehicleEF	SBUS	0.01	3.7780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	3.6140e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.67	0.19
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	3.2820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	2.8000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.96	0.27

tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.25	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3930e-003
tblVehicleEF	SBUS	0.07	4.0100e-003
tblVehicleEF	SBUS	5.85	1.87
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.54	0.56
tblVehicleEF	SBUS	1,181.05	325.23
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.14
tblVehicleEF	SBUS	11.91	3.35
tblVehicleEF	SBUS	5.09	5.28
tblVehicleEF	SBUS	0.02	5.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.02	5.1960e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004

tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.0910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.03
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.79	32.64
tblVehicleEF	UBUS	14.93	1.46
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.41
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003

tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.19	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.7200e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.30	0.08
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.90	32.64
tblVehicleEF	UBUS	12.23	1.20
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	16.98
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03

tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	0.67	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.5760e-003	1.6800e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	2.69	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.16	0.07
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	32.64
tblVehicleEF	UBUS	14.43	1.42
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.36
tblVehicleEF	UBUS	6.31	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003

tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.17	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6140e-003	1.7200e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.28	0.08
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWater	IndoorWaterUseRate	9,577,641.77	0.00
tblWater	OutdoorWaterUseRate	6,038,078.50	0.00
tblWoodstoves	NumberCatalytic	7.35	0.00
tblWoodstoves	NumberNoncatalytic	7.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4432	4.6675	2.5891	8.1700e-003	0.4198	0.1720	0.5918	0.1478	0.1602	0.3080	0.0000	735.9392	735.9392	0.1238	0.0000	739.0335
2021	0.6410	1.3856	0.9994	2.6600e-003	0.0789	0.0552	0.1342	0.0212	0.0515	0.0727	0.0000	236.3583	236.3583	0.0429	0.0000	237.4305
Maximum	**0.6410**	**4.6675**	**2.5891**	**8.1700e-003**	**0.4198**	**0.1720**	**0.5918**	**0.1478**	**0.1602**	**0.3080**	**0.0000**	**735.9392**	**735.9392**	**0.1238**	**0.0000**	**739.0335**

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					
2020	0.3805	4.0840	2.7986	8.1700e-003	0.2996	0.1477	0.4474	0.0942	0.1395	0.2337	0.0000	735.9387	735.9387	0.1238	0.0000	739.0331
2021	0.6275	1.2632	1.0654	2.6600e-003	0.0789	0.0507	0.1296	0.0212	0.0478	0.0690	0.0000	236.3581	236.3581	0.0429	0.0000	237.4304
Maximum	**0.6275**	**4.0840**	**2.7986**	**8.1700e-003**	**0.2996**	**0.1477**	**0.4474**	**0.0942**	**0.1395**	**0.2337**	**0.0000**	**735.9387**	**735.9387**	**0.1238**	**0.0000**	**739.0331**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**7.03**	**11.66**	**-7.68**	**0.00**	**24.09**	**12.68**	**20.52**	**31.70**	**11.57**	**20.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-1-2020**	**6-30-2020**	2.0093	1.6881
2	**7-1-2020**	**9-30-2020**	1.5377	1.3759
3	**10-1-2020**	**12-31-2020**	1.5378	1.3760
4	**1-1-2021**	**3-31-2021**	1.3798	1.2426
5	**4-1-2021**	**6-30-2021**	0.6585	0.6585
		Highest	2.0093	1.6881

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	0.6464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
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	**0.6464**	**0.0176**	**1.5236**	**8.0000e-005**	**0.0000**	**8.3900e-003**	**8.3900e-003**	**0.0000**	**8.3900e-003**	**8.3900e-003**	**0.0000**	**2.4846**	**2.4846**	**2.4200e-003**	**0.0000**	**2.5452**

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	0.6464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
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	**0.6464**	**0.0176**	**1.5236**	**8.0000e-005**	**0.0000**	**8.3900e-003**	**8.3900e-003**	**0.0000**	**8.3900e-003**	**8.3900e-003**	**0.0000**	**2.4846**	**2.4846**	**2.4200e-003**	**0.0000**	**2.5452**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/14/2020	5	10	
2	Grading	Grading	4/15/2020	5/12/2020	5	20	
3	Building Construction	Building Construction	5/13/2020	3/30/2021	5	230	
4	Paving	Paving	3/31/2021	4/27/2021	5	20	
5	Architectural Coating	Architectural Coating	4/28/2021	5/25/2021	5	20	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 50

Acres of Paving: 4.32

Residential Indoor: 301,822; Residential Outdoor: 100,607; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 11,302 (Architectural Coating – sqft)

OffRoad Equipment

Casa Loma Residential (Construction - Mitigated) - San Bernardino-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	3,025.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					0.1089	0.0000	0.1089	0.0517	0.0000	0.0517	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0278	0.3189	0.1120	2.8000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	25.0545	25.0545	8.1000e-003	0.0000	25.2571
Total	**0.0278**	**0.3189**	**0.1120**	**2.8000e-004**	**0.1089**	**0.0139**	**0.1228**	**0.0517**	**0.0128**	**0.0645**	**0.0000**	**25.0545**	**25.0545**	**8.1000e-003**	**0.0000**	**25.2571**

3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.5000e-004	3.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8458	0.8458	3.0000e-005	0.0000	0.8465
Total	**4.4000e-004**	**3.5000e-004**	**3.4900e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8458**	**0.8458**	**3.0000e-005**	**0.0000**	**0.8465**

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					0.0425	0.0000	0.0425	0.0202	0.0000	0.0202	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.2072	0.1299	2.8000e-004		8.3100e-003	8.3100e-003		7.8700e-003	7.8700e-003	0.0000	25.0545	25.0545	8.1000e-003	0.0000	25.2571
Total	**0.0149**	**0.2072**	**0.1299**	**2.8000e-004**	**0.0425**	**8.3100e-003**	**0.0508**	**0.0202**	**7.8700e-003**	**0.0280**	**0.0000**	**25.0545**	**25.0545**	**8.1000e-003**	**0.0000**	**25.2571**

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.5000e-004	3.4900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8458	0.8458	3.0000e-005	0.0000	0.8465
Total	**4.4000e-004**	**3.5000e-004**	**3.4900e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.8458**	**0.8458**	**3.0000e-005**	**0.0000**	**0.8465**

3.3 Grading - 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					
Fugitive Dust					0.0881	0.0000	0.0881	0.0362	0.0000	0.0362	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0354	0.4241	0.1671	4.4000e-004		0.0172	0.0172		0.0158	0.0158	0.0000	38.5676	38.5676	0.0125	0.0000	38.8794
Total	**0.0354**	**0.4241**	**0.1671**	**4.4000e-004**	**0.0881**	**0.0172**	**0.1053**	**0.0362**	**0.0158**	**0.0520**	**0.0000**	**38.5676**	**38.5676**	**0.0125**	**0.0000**	**38.8794**

3.3 Grading - 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	9.5800e-003	0.3821	0.0585	1.1700e-003	0.0260	1.1200e-003	0.0272	7.1500e-003	1.0700e-003	8.2200e-003	0.0000	113.0060	113.0060	6.4000e-003	0.0000	113.1660
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.8000e-004	5.8200e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4097	1.4097	4.0000e-005	0.0000	1.4108
Total	**0.0103**	**0.3826**	**0.0643**	**1.1900e-003**	**0.0277**	**1.1300e-003**	**0.0288**	**7.5900e-003**	**1.0800e-003**	**8.6700e-003**	**0.0000**	**114.4158**	**114.4158**	**6.4400e-003**	**0.0000**	**114.5768**

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					0.0344	0.0000	0.0344	0.0141	0.0000	0.0141	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.3249	0.1903	4.4000e-004		0.0125	0.0125		0.0117	0.0117	0.0000	38.5675	38.5675	0.0125	0.0000	38.8793
Total	**0.0242**	**0.3249**	**0.1903**	**4.4000e-004**	**0.0344**	**0.0125**	**0.0468**	**0.0141**	**0.0117**	**0.0258**	**0.0000**	**38.5675**	**38.5675**	**0.0125**	**0.0000**	**38.8793**

3.3 Grading - 2020

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	9.5800e-003	0.3821	0.0585	1.1700e-003	0.0260	1.1200e-003	0.0272	7.1500e-003	1.0700e-003	8.2200e-003	0.0000	113.0060	113.0060	6.4000e-003	0.0000	113.1660
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.8000e-004	5.8200e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4097	1.4097	4.0000e-005	0.0000	1.4108
Total	**0.0103**	**0.3826**	**0.0643**	**1.1900e-003**	**0.0277**	**1.1300e-003**	**0.0288**	**7.5900e-003**	**1.0800e-003**	**8.6700e-003**	**0.0000**	**114.4158**	**114.4158**	**6.4400e-003**	**0.0000**	**114.5768**

3.4 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	0.2808	3.0625	1.5555	3.5900e-003		0.1367	0.1367		0.1277	0.1277	0.0000	311.6776	311.6776	0.0854	0.0000	313.8135
Total	**0.2808**	**3.0625**	**1.5555**	**3.5900e-003**		**0.1367**	**0.1367**		**0.1277**	**0.1277**	**0.0000**	**311.6776**	**311.6776**	**0.0854**	**0.0000**	**313.8135**

3.4 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	0.0000	0.0000	0.0000	0.0000	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	0.0122	0.4190	0.0876	1.0500e-003	0.0247	1.9200e-003	0.0267	7.1400e-003	1.8300e-003	8.9700e-003	0.0000	100.1992	100.1992	6.9300e-003	0.0000	100.3725
Worker	0.0763	0.0600	0.5991	1.6100e-003	0.1694	1.1300e-003	0.1705	0.0450	1.0400e-003	0.0460	0.0000	145.1787	145.1787	4.3600e-003	0.0000	145.2877
Total	**0.0885**	**0.4789**	**0.6867**	**2.6600e-003**	**0.1941**	**3.0500e-003**	**0.1972**	**0.0521**	**2.8700e-003**	**0.0550**	**0.0000**	**245.3779**	**245.3779**	**0.0113**	**0.0000**	**245.6602**

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	0.2422	2.6900	1.7239	3.5900e-003		0.1228	0.1228		0.1160	0.1160	0.0000	311.6772	311.6772	0.0854	0.0000	313.8131
Total	**0.2422**	**2.6900**	**1.7239**	**3.5900e-003**		**0.1228**	**0.1228**		**0.1160**	**0.1160**	**0.0000**	**311.6772**	**311.6772**	**0.0854**	**0.0000**	**313.8131**

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0122	0.4190	0.0876	1.0500e-003	0.0247	1.9200e-003	0.0267	7.1400e-003	1.8300e-003	8.9700e-003	0.0000	100.1992	100.1992	6.9300e-003	0.0000	100.3725
Worker	0.0763	0.0600	0.5991	1.6100e-003	0.1694	1.1300e-003	0.1705	0.0450	1.0400e-003	0.0460	0.0000	145.1787	145.1787	4.3600e-003	0.0000	145.2877
Total	**0.0885**	**0.4789**	**0.6867**	**2.6600e-003**	**0.1941**	**3.0500e-003**	**0.1972**	**0.0521**	**2.8700e-003**	**0.0550**	**0.0000**	**245.3779**	**245.3779**	**0.0113**	**0.0000**	**245.6602**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0981	1.0699	0.5732	1.3600e-003		0.0465	0.0465		0.0434	0.0434	0.0000	117.5753	117.5753	0.0320	0.0000	118.3760
Total	**0.0981**	**1.0699**	**0.5732**	**1.3600e-003**		**0.0465**	**0.0465**		**0.0434**	**0.0434**	**0.0000**	**117.5753**	**117.5753**	**0.0320**	**0.0000**	**118.3760**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	3.9300e-003	0.1440	0.0293	3.9000e-004	9.3300e-003	2.5000e-004	9.5800e-003	2.6900e-003	2.4000e-004	2.9300e-003	0.0000	37.5993	37.5993	2.5300e-003	0.0000	37.6626
Worker	0.0268	0.0203	0.2076	5.9000e-004	0.0639	4.2000e-004	0.0643	0.0170	3.8000e-004	0.0174	0.0000	53.0245	53.0245	1.4800e-003	0.0000	53.0616
Total	**0.0308**	**0.1643**	**0.2370**	**9.8000e-004**	**0.0732**	**6.7000e-004**	**0.0739**	**0.0197**	**6.2000e-004**	**0.0203**	**0.0000**	**90.6237**	**90.6237**	**4.0100e-003**	**0.0000**	**90.7242**

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	0.0846	0.9475	0.6391	1.3600e-003		0.0419	0.0419		0.0396	0.0396	0.0000	117.5751	117.5751	0.0320	0.0000	118.3759
Total	**0.0846**	**0.9475**	**0.6391**	**1.3600e-003**		**0.0419**	**0.0419**		**0.0396**	**0.0396**	**0.0000**	**117.5751**	**117.5751**	**0.0320**	**0.0000**	**118.3759**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	3.9300e-003	0.1440	0.0293	3.9000e-004	9.3300e-003	2.5000e-004	9.5800e-003	2.6900e-003	2.4000e-004	2.9300e-003	0.0000	37.5993	37.5993	2.5300e-003	0.0000	37.6626
Worker	0.0268	0.0203	0.2076	5.9000e-004	0.0639	4.2000e-004	0.0643	0.0170	3.8000e-004	0.0174	0.0000	53.0245	53.0245	1.4800e-003	0.0000	53.0616
Total	**0.0308**	**0.1643**	**0.2370**	**9.8000e-004**	**0.0732**	**6.7000e-004**	**0.0739**	**0.0197**	**6.2000e-004**	**0.0203**	**0.0000**	**90.6237**	**90.6237**	**4.0100e-003**	**0.0000**	**90.7242**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	1.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0144**	**0.1292**	**0.1465**	**2.3000e-004**		**6.7800e-003**	**6.7800e-003**		**6.2400e-003**	**6.2400e-003**	**0.0000**	**20.0235**	**20.0235**	**6.4800e-003**	**0.0000**	**20.1854**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**6.9000e-004**	**5.2000e-004**	**5.3400e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3649**	**1.3649**	**4.0000e-005**	**0.0000**	**1.3658**

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	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	1.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0144**	**0.1292**	**0.1465**	**2.3000e-004**		**6.7800e-003**	**6.7800e-003**		**6.2400e-003**	**6.2400e-003**	**0.0000**	**20.0235**	**20.0235**	**6.4800e-003**	**0.0000**	**20.1854**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.2000e-004	5.3400e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3649	1.3649	4.0000e-005	0.0000	1.3658
Total	**6.9000e-004**	**5.2000e-004**	**5.3400e-003**	**2.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.3649**	**1.3649**	**4.0000e-005**	**0.0000**	**1.3658**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9200e-003	0.0204	0.0242	4.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	3.4043	3.4043	2.3000e-004	0.0000	3.4102
Total	**0.4954**	**0.0204**	**0.0242**	**4.0000e-005**		**1.2500e-003**	**1.2500e-003**		**1.2500e-003**	**1.2500e-003**	**0.0000**	**3.4043**	**3.4043**	**2.3000e-004**	**0.0000**	**3.4102**

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-003	1.2900e-003	0.0132	4.0000e-005	4.0600e-003	3.0000e-005	4.0800e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.3666	3.3666	9.0000e-005	0.0000	3.3690
Total	**1.7000e-003**	**1.2900e-003**	**0.0132**	**4.0000e-005**	**4.0600e-003**	**3.0000e-005**	**4.0800e-003**	**1.0800e-003**	**2.0000e-005**	**1.1000e-003**	**0.0000**	**3.3666**	**3.3666**	**9.0000e-005**	**0.0000**	**3.3690**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9200e-003	0.0204	0.0242	4.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	3.4043	3.4043	2.3000e-004	0.0000	3.4102
Total	**0.4954**	**0.0204**	**0.0242**	**4.0000e-005**		**1.2500e-003**	**1.2500e-003**		**1.2500e-003**	**1.2500e-003**	**0.0000**	**3.4043**	**3.4043**	**2.3000e-004**	**0.0000**	**3.4102**

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-003	1.2900e-003	0.0132	4.0000e-005	4.0600e-003	3.0000e-005	4.0800e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.3666	3.3666	9.0000e-005	0.0000	3.3690
Total	**1.7000e-003**	**1.2900e-003**	**0.0132**	**4.0000e-005**	**4.0600e-003**	**3.0000e-005**	**4.0800e-003**	**1.0800e-003**	**2.0000e-005**	**1.1000e-003**	**0.0000**	**3.3666**	**3.3666**	**9.0000e-005**	**0.0000**	**3.3690**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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	tons/yr										MT/yr					
Apartments Low Rise	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
Unmitigated	0.6464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452

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	0.0493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
Total	**0.6464**	**0.0176**	**1.5236**	**8.0000e-005**		**8.3900e-003**	**8.3900e-003**		**8.3900e-003**	**8.3900e-003**	**0.0000**	**2.4846**	**2.4846**	**2.4200e-003**	**0.0000**	**2.5452**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
Total	**0.6464**	**0.0176**	**1.5236**	**8.0000e-005**		**8.3900e-003**	**8.3900e-003**		**8.3900e-003**	**8.3900e-003**	**0.0000**	**2.4846**	**2.4846**	**2.4200e-003**	**0.0000**	**2.5452**

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			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

ATTACHMENT C:

CALEEMOD OPERATIONAL EMISSIONS MODEL OUTPUTS

Casa Loma Residential (Operations)

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.95	1000sqft	0.66	28,953.00	0
Other Non-Asphalt Surfaces	127.76	1000sqft	2.93	127,762.00	0
Parking Lot	179.00	Space	0.73	31,650.00	0
Apartments Low Rise	147.00	Dwelling Unit	1.14	149,048.00	394

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Casa Loma Residential (Operations) - San Bernardino-South Coast County, Summer

Project Characteristics -

Land Use - Other Non-Asphalt Surfaces = Landscape, Open Space, and Parking Landscape areas. Parking Lot = Carport and Open Stall Spaces. Other Asphalt Surfaces = Paved Areas.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Casa Loma Residential Traffic Impact Analysis Report (TIA) by Linscott Law & Greenspan

Woodstoves - Rule 445

Energy Use - The project will design building shells and building components to meet 2019 Title 24 Standards which expects 3 53% less energy for residential uses.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblEnergyUse	LightingElect	810.36	380.87
tblEnergyUse	T24E	877.14	412.26
tblEnergyUse	T24NG	9,544.50	4,485.92
tblFireplaces	NumberGas	124.95	147.00
tblFireplaces	NumberNoFireplace	14.70	0.00
tblFireplaces	NumberWood	7.35	0.00
tblLandUse	LandUseSquareFeet	71,600.00	31,650.00
tblLandUse	LandUseSquareFeet	147,000.00	149,048.00
tblLandUse	LotAcreage	1.61	0.73
tblLandUse	LotAcreage	9.19	1.14
tblLandUse	Population	420.00	394.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.82
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.92	2.4420e-003
tblVehicleEF	HHD	6,983.95	1,459.93
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.07	7.65
tblVehicleEF	HHD	2.87	3.24
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	0.89	0.60
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.09

tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	1.02	0.68
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	7.65
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.80	2.2950e-003
tblVehicleEF	HHD	7,395.94	1,453.32
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.97	7.40
tblVehicleEF	HHD	2.70	3.05
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05

tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
tblVehicleEF	HHD	0.84	0.62
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
tblVehicleEF	HHD	0.97	0.71
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	3.7740e-003
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	7.98

tblVehicleEF	HHD	0.58	0.36
tblVehicleEF	HHD	1.89	2.4140e-003
tblVehicleEF	HHD	6,415.00	1,454.79
tblVehicleEF	HHD	1,493.95	1,371.01
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	26.84	7.90
tblVehicleEF	HHD	2.83	3.15
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8160e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	0.96	0.56
tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00

tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	1.10	0.64
tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.7950e-003
tblVehicleEF	LDA	6.4640e-003	0.06
tblVehicleEF	LDA	0.62	0.70
tblVehicleEF	LDA	1.32	2.22
tblVehicleEF	LDA	261.85	269.33
tblVehicleEF	LDA	59.28	55.48
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.6230e-003	2.6640e-003
tblVehicleEF	LDA	6.1500e-004	5.4900e-004
tblVehicleEF	LDA	0.05	0.07

tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	5.3170e-003	3.2030e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.86
tblVehicleEF	LDA	1.10	1.85
tblVehicleEF	LDA	286.52	294.16
tblVehicleEF	LDA	59.28	54.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9100e-003
tblVehicleEF	LDA	6.1100e-004	5.4200e-004
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.7260e-003
tblVehicleEF	LDA	6.4200e-003	0.06
tblVehicleEF	LDA	0.58	0.67
tblVehicleEF	LDA	1.30	2.19
tblVehicleEF	LDA	256.02	263.51
tblVehicleEF	LDA	59.28	55.41
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.5640e-003	2.6070e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25

tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.1890e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.63
tblVehicleEF	LDT1	4.02	2.54
tblVehicleEF	LDT1	323.73	319.09
tblVehicleEF	LDT1	72.77	67.44
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.29	0.48
tblVehicleEF	LDT1	3.2600e-003	3.1580e-003
tblVehicleEF	LDT1	7.9900e-004	6.6700e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT1	0.02	9.2860e-003

tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	1.97
tblVehicleEF	LDT1	3.30	2.10
tblVehicleEF	LDT1	352.65	345.09
tblVehicleEF	LDT1	72.77	66.47
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4150e-003
tblVehicleEF	LDT1	7.8600e-004	6.5800e-004
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	7.9980e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.55

tblVehicleEF	LDT1	3.95	2.49
tblVehicleEF	LDT1	316.91	312.93
tblVehicleEF	LDT1	72.77	67.36
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.0970e-003
tblVehicleEF	LDT1	7.9800e-004	6.6700e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT2	6.9330e-003	4.8260e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.06
tblVehicleEF	LDT2	1.85	2.89
tblVehicleEF	LDT2	363.70	344.02

tblVehicleEF	LDT2	81.97	72.94
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.6440e-003	3.4040e-003
tblVehicleEF	LDT2	8.5100e-004	7.2200e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	7.8730e-003	5.5090e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.30
tblVehicleEF	LDT2	1.53	2.39
tblVehicleEF	LDT2	397.09	369.57
tblVehicleEF	LDT2	81.97	71.94
tblVehicleEF	LDT2	0.09	0.09

tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	3.9810e-003	3.6570e-003
tblVehicleEF	LDT2	8.4600e-004	7.1200e-004
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	6.7430e-003	4.7100e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.01
tblVehicleEF	LDT2	1.82	2.84
tblVehicleEF	LDT2	355.82	337.97
tblVehicleEF	LDT2	81.97	72.85
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003

tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LDT2	3.5650e-003	3.3440e-003
tblVehicleEF	LDT2	8.5100e-004	7.2100e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.4860e-003	4.9840e-003
tblVehicleEF	LHD1	0.01	7.1410e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.99
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.26	1.69

tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6200e-004	1.0900e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.0000e-003
tblVehicleEF	LHD1	0.01	7.3180e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.18	0.99
tblVehicleEF	LHD1	2.58	1.00
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.98
tblVehicleEF	LHD1	30.92	10.87
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.12	1.58
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0370e-003	6.3960e-003
tblVehicleEF	LHD1	3.5800e-004	1.0800e-004

tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	4.9870e-003
tblVehicleEF	LHD1	0.01	7.1590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.72	1.05
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.96
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.22	1.66
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003

tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6100e-004	1.0800e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.4060e-003
tblVehicleEF	LHD2	5.2410e-003	4.5240e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.29	0.64
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.51
tblVehicleEF	LHD2	24.89	7.96
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.69	1.81

tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7300e-004	7.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4160e-003
tblVehicleEF	LHD2	5.3190e-003	4.5750e-003
tblVehicleEF	LHD2	8.7380e-003	9.6870e-003

tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.56	0.62
tblVehicleEF	LHD2	1.21	0.60
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.89
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.70
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7100e-004	7.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4070e-003
tblVehicleEF	LHD2	5.2490e-003	4.5300e-003
tblVehicleEF	LHD2	9.0820e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.27	0.63
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.94
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.67	1.78
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02

tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7200e-004	7.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	21.16
tblVehicleEF	MCY	9.91	8.77
tblVehicleEF	MCY	167.12	211.16
tblVehicleEF	MCY	46.87	61.87
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80

tblVehicleEF	MCY	2.26	2.26
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.17	1.92
tblVehicleEF	MCY	2.0790e-003	2.0900e-003
tblVehicleEF	MCY	6.9500e-004	6.1200e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.76	2.76
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.37	2.08
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	21.29
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	211.14
tblVehicleEF	MCY	46.87	59.68
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.19	2.19
tblVehicleEF	MCY	0.50	2.09

tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0790e-003	2.0890e-003
tblVehicleEF	MCY	6.7100e-004	5.9100e-004
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.69	2.68
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	20.18
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	209.47
tblVehicleEF	MCY	46.87	61.06
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.22	2.22
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.10	1.84
tblVehicleEF	MCY	2.0630e-003	2.0730e-003

tblVehicleEF	MCY	6.8600e-004	6.0400e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.71	2.71
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.28	2.00
tblVehicleEF	MDV	0.01	6.6050e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.33
tblVehicleEF	MDV	3.59	3.53
tblVehicleEF	MDV	498.66	425.70
tblVehicleEF	MDV	110.76	90.07
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	5.0000e-003	4.2090e-003
tblVehicleEF	MDV	1.1710e-003	8.9100e-004
tblVehicleEF	MDV	0.10	0.12

tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	0.02	7.4780e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.60
tblVehicleEF	MDV	2.99	2.92
tblVehicleEF	MDV	542.90	452.84
tblVehicleEF	MDV	110.76	88.84
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	5.4470e-003	4.4780e-003
tblVehicleEF	MDV	1.1600e-003	8.7900e-004
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22

tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.46
tblVehicleEF	MDV	0.01	6.4310e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.47
tblVehicleEF	MDV	488.33	419.25
tblVehicleEF	MDV	110.76	89.97
tblVehicleEF	MDV	0.19	0.13
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.28	0.49
tblVehicleEF	MDV	4.8960e-003	4.1450e-003
tblVehicleEF	MDV	1.1700e-003	8.9000e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.61

tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.60	0.37
tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.70
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.74	0.37
tblVehicleEF	MH	6.31	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.42
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.0900e-004	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.61	0.37
tblVehicleEF	MH	6.87	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.61	4.62
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.1900e-004	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MHD	0.02	3.2250e-003
tblVehicleEF	MHD	4.1450e-003	6.0340e-003
tblVehicleEF	MHD	0.06	8.8310e-003
tblVehicleEF	MHD	0.33	0.34
tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	6.00	1.03
tblVehicleEF	MHD	155.10	71.06
tblVehicleEF	MHD	1,105.72	1,029.53
tblVehicleEF	MHD	53.92	8.43
tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	1.08	2.22
tblVehicleEF	MHD	4.3700e-004	2.0190e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	4.1800e-004	1.9320e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.8100e-003

tblVehicleEF	MHD	6.4400e-004	8.3000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	0.02	3.0610e-003
tblVehicleEF	MHD	4.2290e-003	6.0860e-003
tblVehicleEF	MHD	0.05	8.4200e-003
tblVehicleEF	MHD	0.24	0.28
tblVehicleEF	MHD	0.32	0.56
tblVehicleEF	MHD	5.61	0.96
tblVehicleEF	MHD	164.29	72.29
tblVehicleEF	MHD	1,105.72	1,029.54
tblVehicleEF	MHD	53.92	8.32
tblVehicleEF	MHD	0.65	0.62
tblVehicleEF	MHD	1.01	2.09
tblVehicleEF	MHD	3.6900e-004	1.7050e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	3.5300e-004	1.6310e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	1.5770e-003	6.8600e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.3800e-004	8.2000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	0.02	3.4660e-003
tblVehicleEF	MHD	4.1530e-003	6.0380e-003
tblVehicleEF	MHD	0.06	8.7320e-003
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	5.90	1.02
tblVehicleEF	MHD	142.41	69.34
tblVehicleEF	MHD	1,105.72	1,029.53
tblVehicleEF	MHD	53.92	8.40
tblVehicleEF	MHD	0.60	0.60
tblVehicleEF	MHD	1.06	2.18
tblVehicleEF	MHD	5.3200e-004	2.4540e-003

tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	5.0900e-004	2.3480e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4300e-004	8.3000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.39	0.05
tblVehicleEF	OBUS	0.01	9.3650e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49
tblVehicleEF	OBUS	0.73	1.19

tblVehicleEF	OBUS	6.67	2.81
tblVehicleEF	OBUS	70.21	68.33
tblVehicleEF	OBUS	1,126.32	1,507.23
tblVehicleEF	OBUS	71.08	22.19
tblVehicleEF	OBUS	0.32	0.39
tblVehicleEF	OBUS	1.10	1.47
tblVehicleEF	OBUS	1.1300e-004	1.5090e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.0800e-004	1.4440e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	6.5300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.2000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.06	0.11

tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.3930e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.47
tblVehicleEF	OBUS	0.75	1.22
tblVehicleEF	OBUS	6.11	2.57
tblVehicleEF	OBUS	73.34	68.71
tblVehicleEF	OBUS	1,126.32	1,507.28
tblVehicleEF	OBUS	71.08	21.80
tblVehicleEF	OBUS	0.33	0.39
tblVehicleEF	OBUS	1.02	1.35
tblVehicleEF	OBUS	9.5000e-005	1.2750e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	9.1000e-005	1.2200e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	7.1200e-004	6.5600e-004

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.1600e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	9.3640e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.51
tblVehicleEF	OBUS	0.73	1.19
tblVehicleEF	OBUS	6.62	2.79
tblVehicleEF	OBUS	65.88	67.80
tblVehicleEF	OBUS	1,126.32	1,507.24
tblVehicleEF	OBUS	71.08	22.15
tblVehicleEF	OBUS	0.31	0.39
tblVehicleEF	OBUS	1.08	1.44
tblVehicleEF	OBUS	1.3700e-004	1.8320e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.3100e-004	1.7520e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003

tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.4100e-004	6.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.1900e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3980e-003
tblVehicleEF	SBUS	0.07	3.9120e-003
tblVehicleEF	SBUS	5.64	1.82
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.49	0.54
tblVehicleEF	SBUS	1,270.71	336.96
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.11
tblVehicleEF	SBUS	12.46	3.45
tblVehicleEF	SBUS	5.17	5.36

tblVehicleEF	SBUS	0.01	4.4720e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	4.2790e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	3.2020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.31	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.4900e-003

tblVehicleEF	SBUS	0.06	3.2450e-003
tblVehicleEF	SBUS	5.48	1.78
tblVehicleEF	SBUS	0.72	0.64
tblVehicleEF	SBUS	3.76	0.38
tblVehicleEF	SBUS	1,335.64	345.46
tblVehicleEF	SBUS	1,144.20	1,143.58
tblVehicleEF	SBUS	36.06	2.85
tblVehicleEF	SBUS	12.86	3.52
tblVehicleEF	SBUS	4.84	5.03
tblVehicleEF	SBUS	0.01	3.7780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	3.6140e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.67	0.19
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	3.2820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	2.8000e-005

tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.96	0.27
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.25	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3930e-003
tblVehicleEF	SBUS	0.07	4.0100e-003
tblVehicleEF	SBUS	5.85	1.87
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.54	0.56
tblVehicleEF	SBUS	1,181.05	325.23
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.14
tblVehicleEF	SBUS	11.91	3.35
tblVehicleEF	SBUS	5.09	5.28
tblVehicleEF	SBUS	0.02	5.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.02	5.1960e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004

tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.0910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.03
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.79	32.64
tblVehicleEF	UBUS	14.93	1.46
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.41
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004

tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.19	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.7200e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.30	0.08
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.90	32.64
tblVehicleEF	UBUS	12.23	1.20
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	16.98
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	0.67	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.5760e-003	1.6800e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	2.69	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.16	0.07
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	32.64
tblVehicleEF	UBUS	14.43	1.42
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.36
tblVehicleEF	UBUS	6.31	0.38

tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.17	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6140e-003	1.7200e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.28	0.08
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	7.35	0.00
tblWoodstoves	NumberNoncatalytic	7.35	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Casa Loma Residential (Operations) - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9446	2.5791	13.2261	0.0162		0.2643	0.2643		0.2643	0.2643	0.0000	3,134.8518	3,134.8518	0.0810	0.0571	3,153.8844
Energy	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
Mobile	3.8808	14.0607	36.6225	0.1055	8.7013	0.1646	8.8658	2.3257	0.1560	2.4816		10,912.4872	10,912.4872	0.5642		10,926.5933
Total	**7.8711**	**17.0300**	**50.0147**	**0.1242**	**8.7013**	**0.4604**	**9.1617**	**2.3257**	**0.4518**	**2.7775**	**0.0000**	**14,545.5954**	**14,545.5954**	**0.6548**	**0.0662**	**14,581.6949**

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	3.9446	2.5791	13.2261	0.0162		0.2643	0.2643		0.2643	0.2643	0.0000	3,134.8518	3,134.8518	0.0810	0.0571	3,153.8844
Energy	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
Mobile	3.8808	14.0607	36.6225	0.1055	8.7013	0.1646	8.8658	2.3257	0.1560	2.4816		10,912.4872	10,912.4872	0.5642		10,926.5933
Total	**7.8711**	**17.0300**	**50.0147**	**0.1242**	**8.7013**	**0.4604**	**9.1617**	**2.3257**	**0.4518**	**2.7775**	**0.0000**	**14,545.5954**	**14,545.5954**	**0.6548**	**0.0662**	**14,581.6949**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/1/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.32

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Site Preparation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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**

Unmitigated Construction Off-Site

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

3.2 Site Preparation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
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 Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8808	14.0607	36.6225	0.1055	8.7013	0.1646	8.8658	2.3257	0.1560	2.4816		10,912.4872	10,912.4872	0.5642		10,926.5933
Unmitigated	3.8808	14.0607	36.6225	0.1055	8.7013	0.1646	8.8658	2.3257	0.1560	2.4816		10,912.4872	10,912.4872	0.5642		10,926.5933

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,076.04	1,196.58	923.16	3,661,205	3,661,205
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,076.04	1,196.58	923.16	3,661,205	3,661,205

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
NaturalGas Unmitigated	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172

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					
Apartments Low Rise	4235.18	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0457**	**0.3903**	**0.1661**	**2.4900e-003**		**0.0316**	**0.0316**		**0.0316**	**0.0316**		**498.2563**	**498.2563**	**9.5500e-003**	**9.1300e-003**	**501.2172**

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					
Apartments Low Rise	4.23518	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0457**	**0.3903**	**0.1661**	**2.4900e-003**		**0.0316**	**0.0316**		**0.0316**	**0.0316**		**498.2563**	**498.2563**	**9.5500e-003**	**9.1300e-003**	**501.2172**

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	3.9446	2.5791	13.2261	0.0162		0.2643	0.2643		0.2643	0.2643	0.0000	3,134.8518	3,134.8518	0.0810	0.0571	3,153.8844
Unmitigated	3.9446	2.5791	13.2261	0.0162		0.2643	0.2643		0.2643	0.2643	0.0000	3,134.8518	3,134.8518	0.0810	0.0571	3,153.8844

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	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2854	2.4385	1.0377	0.0156		0.1972	0.1972		0.1972	0.1972	0.0000	3,112.9412	3,112.9412	0.0597	0.0571	3,131.4398
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.9446**	**2.5791**	**13.2261**	**0.0162**		**0.2643**	**0.2643**		**0.2643**	**0.2643**	**0.0000**	**3,134.8518**	**3,134.8518**	**0.0810**	**0.0571**	**3,153.8844**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2854	2.4385	1.0377	0.0156		0.1972	0.1972		0.1972	0.1972	0.0000	3,112.9412	3,112.9412	0.0597	0.0571	3,131.4398
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.9446**	**2.5791**	**13.2261**	**0.0162**		**0.2643**	**0.2643**		**0.2643**	**0.2643**	**0.0000**	**3,134.8518**	**3,134.8518**	**0.0810**	**0.0571**	**3,153.8844**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Casa Loma Residential (Operations)

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.95	1000sqft	0.66	28,953.00	0
Other Non-Asphalt Surfaces	127.76	1000sqft	2.93	127,762.00	0
Parking Lot	179.00	Space	0.73	31,650.00	0
Apartments Low Rise	147.00	Dwelling Unit	1.14	149,048.00	394

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Casa Loma Residential (Operations) - San Bernardino-South Coast County, Winter

Project Characteristics -

Land Use - Other Non-Asphalt Surfaces = Landscape, Open Space, and Parking Landscape areas. Parking Lot = Carport and Open Stall Spaces. Other Asphalt Surfaces = Paved Areas.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Casa Loma Residential Traffic Impact Analysis Report (TIA) by Linscott Law & Greenspan

Woodstoves - Rule 445

Energy Use - The project will design building shells and building components to meet 2019 Title 24 Standards which expects 3 53% less energy for residential uses.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblEnergyUse	LightingElect	810.36	380.87
tblEnergyUse	T24E	877.14	412.26
tblEnergyUse	T24NG	9,544.50	4,485.92
tblFireplaces	NumberGas	124.95	147.00
tblFireplaces	NumberNoFireplace	14.70	0.00
tblFireplaces	NumberWood	7.35	0.00
tblLandUse	LandUseSquareFeet	71,600.00	31,650.00
tblLandUse	LandUseSquareFeet	147,000.00	149,048.00
tblLandUse	LotAcreage	1.61	0.73
tblLandUse	LotAcreage	9.19	1.14
tblLandUse	Population	420.00	394.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.82
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.92	2.4420e-003
tblVehicleEF	HHD	6,983.95	1,459.93
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.07	7.65
tblVehicleEF	HHD	2.87	3.24
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	0.89	0.60
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.09

tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	1.02	0.68
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	7.65
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.80	2.2950e-003
tblVehicleEF	HHD	7,395.94	1,453.32
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.97	7.40
tblVehicleEF	HHD	2.70	3.05
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05

tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
tblVehicleEF	HHD	0.84	0.62
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
tblVehicleEF	HHD	0.97	0.71
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	3.7740e-003
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	7.98

tblVehicleEF	HHD	0.58	0.36
tblVehicleEF	HHD	1.89	2.4140e-003
tblVehicleEF	HHD	6,415.00	1,454.79
tblVehicleEF	HHD	1,493.95	1,371.01
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	26.84	7.90
tblVehicleEF	HHD	2.83	3.15
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8160e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	0.96	0.56
tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00

tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	1.10	0.64
tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.7950e-003
tblVehicleEF	LDA	6.4640e-003	0.06
tblVehicleEF	LDA	0.62	0.70
tblVehicleEF	LDA	1.32	2.22
tblVehicleEF	LDA	261.85	269.33
tblVehicleEF	LDA	59.28	55.48
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.6230e-003	2.6640e-003
tblVehicleEF	LDA	6.1500e-004	5.4900e-004
tblVehicleEF	LDA	0.05	0.07

tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	5.3170e-003	3.2030e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.86
tblVehicleEF	LDA	1.10	1.85
tblVehicleEF	LDA	286.52	294.16
tblVehicleEF	LDA	59.28	54.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9100e-003
tblVehicleEF	LDA	6.1100e-004	5.4200e-004
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.7260e-003
tblVehicleEF	LDA	6.4200e-003	0.06
tblVehicleEF	LDA	0.58	0.67
tblVehicleEF	LDA	1.30	2.19
tblVehicleEF	LDA	256.02	263.51
tblVehicleEF	LDA	59.28	55.41
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.5640e-003	2.6070e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25

tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.1890e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.63
tblVehicleEF	LDT1	4.02	2.54
tblVehicleEF	LDT1	323.73	319.09
tblVehicleEF	LDT1	72.77	67.44
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.29	0.48
tblVehicleEF	LDT1	3.2600e-003	3.1580e-003
tblVehicleEF	LDT1	7.9900e-004	6.6700e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT1	0.02	9.2860e-003

tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	1.97
tblVehicleEF	LDT1	3.30	2.10
tblVehicleEF	LDT1	352.65	345.09
tblVehicleEF	LDT1	72.77	66.47
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4150e-003
tblVehicleEF	LDT1	7.8600e-004	6.5800e-004
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	7.9980e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.55

tblVehicleEF	LDT1	3.95	2.49
tblVehicleEF	LDT1	316.91	312.93
tblVehicleEF	LDT1	72.77	67.36
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.0970e-003
tblVehicleEF	LDT1	7.9800e-004	6.6700e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT2	6.9330e-003	4.8260e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.06
tblVehicleEF	LDT2	1.85	2.89
tblVehicleEF	LDT2	363.70	344.02

tblVehicleEF	LDT2	81.97	72.94
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.6440e-003	3.4040e-003
tblVehicleEF	LDT2	8.5100e-004	7.2200e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	7.8730e-003	5.5090e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.30
tblVehicleEF	LDT2	1.53	2.39
tblVehicleEF	LDT2	397.09	369.57
tblVehicleEF	LDT2	81.97	71.94
tblVehicleEF	LDT2	0.09	0.09

tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	3.9810e-003	3.6570e-003
tblVehicleEF	LDT2	8.4600e-004	7.1200e-004
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	6.7430e-003	4.7100e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.01
tblVehicleEF	LDT2	1.82	2.84
tblVehicleEF	LDT2	355.82	337.97
tblVehicleEF	LDT2	81.97	72.85
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003

tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LDT2	3.5650e-003	3.3440e-003
tblVehicleEF	LDT2	8.5100e-004	7.2100e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.4860e-003	4.9840e-003
tblVehicleEF	LHD1	0.01	7.1410e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.99
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.26	1.69

tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6200e-004	1.0900e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.0000e-003
tblVehicleEF	LHD1	0.01	7.3180e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.18	0.99
tblVehicleEF	LHD1	2.58	1.00
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.98
tblVehicleEF	LHD1	30.92	10.87
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.12	1.58
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0370e-003	6.3960e-003
tblVehicleEF	LHD1	3.5800e-004	1.0800e-004

tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	4.9870e-003
tblVehicleEF	LHD1	0.01	7.1590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.72	1.05
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.96
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.22	1.66
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003

tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6100e-004	1.0800e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.4060e-003
tblVehicleEF	LHD2	5.2410e-003	4.5240e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.29	0.64
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.51
tblVehicleEF	LHD2	24.89	7.96
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.69	1.81

tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7300e-004	7.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4160e-003
tblVehicleEF	LHD2	5.3190e-003	4.5750e-003
tblVehicleEF	LHD2	8.7380e-003	9.6870e-003

tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.56	0.62
tblVehicleEF	LHD2	1.21	0.60
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.89
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.70
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7100e-004	7.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4070e-003
tblVehicleEF	LHD2	5.2490e-003	4.5300e-003
tblVehicleEF	LHD2	9.0820e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.27	0.63
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.94
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.67	1.78
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02

tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7200e-004	7.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	21.16
tblVehicleEF	MCY	9.91	8.77
tblVehicleEF	MCY	167.12	211.16
tblVehicleEF	MCY	46.87	61.87
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80

tblVehicleEF	MCY	2.26	2.26
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.17	1.92
tblVehicleEF	MCY	2.0790e-003	2.0900e-003
tblVehicleEF	MCY	6.9500e-004	6.1200e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.76	2.76
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.37	2.08
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	21.29
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	211.14
tblVehicleEF	MCY	46.87	59.68
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.19	2.19
tblVehicleEF	MCY	0.50	2.09

tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0790e-003	2.0890e-003
tblVehicleEF	MCY	6.7100e-004	5.9100e-004
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.69	2.68
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	20.18
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	209.47
tblVehicleEF	MCY	46.87	61.06
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.22	2.22
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.10	1.84
tblVehicleEF	MCY	2.0630e-003	2.0730e-003

tblVehicleEF	MCY	6.8600e-004	6.0400e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.71	2.71
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.28	2.00
tblVehicleEF	MDV	0.01	6.6050e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.33
tblVehicleEF	MDV	3.59	3.53
tblVehicleEF	MDV	498.66	425.70
tblVehicleEF	MDV	110.76	90.07
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	5.0000e-003	4.2090e-003
tblVehicleEF	MDV	1.1710e-003	8.9100e-004
tblVehicleEF	MDV	0.10	0.12

tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	0.02	7.4780e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.60
tblVehicleEF	MDV	2.99	2.92
tblVehicleEF	MDV	542.90	452.84
tblVehicleEF	MDV	110.76	88.84
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	5.4470e-003	4.4780e-003
tblVehicleEF	MDV	1.1600e-003	8.7900e-004
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22

tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.46
tblVehicleEF	MDV	0.01	6.4310e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.47
tblVehicleEF	MDV	488.33	419.25
tblVehicleEF	MDV	110.76	89.97
tblVehicleEF	MDV	0.19	0.13
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.28	0.49
tblVehicleEF	MDV	4.8960e-003	4.1450e-003
tblVehicleEF	MDV	1.1700e-003	8.9000e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.61

tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.60	0.37
tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.70
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.74	0.37
tblVehicleEF	MH	6.31	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.42
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.0900e-004	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.61	0.37
tblVehicleEF	MH	6.87	0.00
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tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.61	4.62
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.1900e-004	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MHD	0.02	3.2250e-003
tblVehicleEF	MHD	4.1450e-003	6.0340e-003
tblVehicleEF	MHD	0.06	8.8310e-003
tblVehicleEF	MHD	0.33	0.34
tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	6.00	1.03
tblVehicleEF	MHD	155.10	71.06
tblVehicleEF	MHD	1,105.72	1,029.53
tblVehicleEF	MHD	53.92	8.43
tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	1.08	2.22
tblVehicleEF	MHD	4.3700e-004	2.0190e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	4.1800e-004	1.9320e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.8100e-003

tblVehicleEF	MHD	6.4400e-004	8.3000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	0.02	3.0610e-003
tblVehicleEF	MHD	4.2290e-003	6.0860e-003
tblVehicleEF	MHD	0.05	8.4200e-003
tblVehicleEF	MHD	0.24	0.28
tblVehicleEF	MHD	0.32	0.56
tblVehicleEF	MHD	5.61	0.96
tblVehicleEF	MHD	164.29	72.29
tblVehicleEF	MHD	1,105.72	1,029.54
tblVehicleEF	MHD	53.92	8.32
tblVehicleEF	MHD	0.65	0.62
tblVehicleEF	MHD	1.01	2.09
tblVehicleEF	MHD	3.6900e-004	1.7050e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	3.5300e-004	1.6310e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	1.5770e-003	6.8600e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.3800e-004	8.2000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	0.02	3.4660e-003
tblVehicleEF	MHD	4.1530e-003	6.0380e-003
tblVehicleEF	MHD	0.06	8.7320e-003
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	5.90	1.02
tblVehicleEF	MHD	142.41	69.34
tblVehicleEF	MHD	1,105.72	1,029.53
tblVehicleEF	MHD	53.92	8.40
tblVehicleEF	MHD	0.60	0.60
tblVehicleEF	MHD	1.06	2.18
tblVehicleEF	MHD	5.3200e-004	2.4540e-003

tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	5.0900e-004	2.3480e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4300e-004	8.3000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.39	0.05
tblVehicleEF	OBUS	0.01	9.3650e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49
tblVehicleEF	OBUS	0.73	1.19

tblVehicleEF	OBUS	6.67	2.81
tblVehicleEF	OBUS	70.21	68.33
tblVehicleEF	OBUS	1,126.32	1,507.23
tblVehicleEF	OBUS	71.08	22.19
tblVehicleEF	OBUS	0.32	0.39
tblVehicleEF	OBUS	1.10	1.47
tblVehicleEF	OBUS	1.1300e-004	1.5090e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.0800e-004	1.4440e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	6.5300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.2000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.06	0.11

tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.3930e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.47
tblVehicleEF	OBUS	0.75	1.22
tblVehicleEF	OBUS	6.11	2.57
tblVehicleEF	OBUS	73.34	68.71
tblVehicleEF	OBUS	1,126.32	1,507.28
tblVehicleEF	OBUS	71.08	21.80
tblVehicleEF	OBUS	0.33	0.39
tblVehicleEF	OBUS	1.02	1.35
tblVehicleEF	OBUS	9.5000e-005	1.2750e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	9.1000e-005	1.2200e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	7.1200e-004	6.5600e-004

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.1600e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	9.3640e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.51
tblVehicleEF	OBUS	0.73	1.19
tblVehicleEF	OBUS	6.62	2.79
tblVehicleEF	OBUS	65.88	67.80
tblVehicleEF	OBUS	1,126.32	1,507.24
tblVehicleEF	OBUS	71.08	22.15
tblVehicleEF	OBUS	0.31	0.39
tblVehicleEF	OBUS	1.08	1.44
tblVehicleEF	OBUS	1.3700e-004	1.8320e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.3100e-004	1.7520e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003

tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.4100e-004	6.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.1900e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3980e-003
tblVehicleEF	SBUS	0.07	3.9120e-003
tblVehicleEF	SBUS	5.64	1.82
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.49	0.54
tblVehicleEF	SBUS	1,270.71	336.96
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.11
tblVehicleEF	SBUS	12.46	3.45
tblVehicleEF	SBUS	5.17	5.36

tblVehicleEF	SBUS	0.01	4.4720e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	4.2790e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	3.2020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.31	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.4900e-003

tblVehicleEF	SBUS	0.06	3.2450e-003
tblVehicleEF	SBUS	5.48	1.78
tblVehicleEF	SBUS	0.72	0.64
tblVehicleEF	SBUS	3.76	0.38
tblVehicleEF	SBUS	1,335.64	345.46
tblVehicleEF	SBUS	1,144.20	1,143.58
tblVehicleEF	SBUS	36.06	2.85
tblVehicleEF	SBUS	12.86	3.52
tblVehicleEF	SBUS	4.84	5.03
tblVehicleEF	SBUS	0.01	3.7780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	3.6140e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.67	0.19
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	3.2820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	2.8000e-005

tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.96	0.27
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.25	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3930e-003
tblVehicleEF	SBUS	0.07	4.0100e-003
tblVehicleEF	SBUS	5.85	1.87
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.54	0.56
tblVehicleEF	SBUS	1,181.05	325.23
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.14
tblVehicleEF	SBUS	11.91	3.35
tblVehicleEF	SBUS	5.09	5.28
tblVehicleEF	SBUS	0.02	5.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.02	5.1960e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004

tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.0910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.03
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.79	32.64
tblVehicleEF	UBUS	14.93	1.46
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.41
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004

tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.19	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.7200e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.30	0.08
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.90	32.64
tblVehicleEF	UBUS	12.23	1.20
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	16.98
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	0.67	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.5760e-003	1.6800e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	2.69	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.16	0.07
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	32.64
tblVehicleEF	UBUS	14.43	1.42
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.36
tblVehicleEF	UBUS	6.31	0.38

tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.17	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6140e-003	1.7200e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.28	0.08
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	7.35	0.00
tblWoodstoves	NumberNoncatalytic	7.35	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Casa Loma Residential (Operations) - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9446	2.5791	13.2261	0.0162		0.2643	0.2643		0.2643	0.2643	0.0000	3,134.8518	3,134.8518	0.0810	0.0571	3,153.8844
Energy	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
Mobile	3.5759	14.5098	31.8245	0.0987	8.6996	0.1647	8.8642	2.3250	0.1561	2.4811		10,164.9872	10,164.9872	0.4806		10,177.0029
Total	**7.5661**	**17.4792**	**45.2167**	**0.1174**	**8.6996**	**0.4605**	**9.1601**	**2.3250**	**0.4519**	**2.7770**	**0.0000**	**13,798.0954**	**13,798.0954**	**0.5712**	**0.0662**	**13,832.1046**

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	3.9446	2.5791	13.2261	0.0162		0.2643	0.2643		0.2643	0.2643	0.0000	3,134.8518	3,134.8518	0.0810	0.0571	3,153.8844
Energy	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
Mobile	3.5759	14.5098	31.8245	0.0987	8.6996	0.1647	8.8642	2.3250	0.1561	2.4811		10,164.9872	10,164.9872	0.4806		10,177.0029
Total	**7.5661**	**17.4792**	**45.2167**	**0.1174**	**8.6996**	**0.4605**	**9.1601**	**2.3250**	**0.4519**	**2.7770**	**0.0000**	**13,798.0954**	**13,798.0954**	**0.5712**	**0.0662**	**13,832.1046**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/1/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.32

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Site Preparation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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**

Unmitigated Construction Off-Site

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

3.2 Site Preparation - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
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 Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5759	14.5098	31.8245	0.0987	8.6996	0.1647	8.8642	2.3250	0.1561	2.4811		10,164.9872	10,164.9872	0.4806		10,177.0029
Unmitigated	3.5759	14.5098	31.8245	0.0987	8.6996	0.1647	8.8642	2.3250	0.1561	2.4811		10,164.9872	10,164.9872	0.4806		10,177.0029

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,076.04	1,196.58	923.16	3,661,205	3,661,205
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,076.04	1,196.58	923.16	3,661,205	3,661,205

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
NaturalGas Unmitigated	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172

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					
Apartments Low Rise	4235.18	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0457**	**0.3903**	**0.1661**	**2.4900e-003**		**0.0316**	**0.0316**		**0.0316**	**0.0316**		**498.2563**	**498.2563**	**9.5500e-003**	**9.1300e-003**	**501.2172**

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					
Apartments Low Rise	4.23518	0.0457	0.3903	0.1661	2.4900e-003		0.0316	0.0316		0.0316	0.0316		498.2563	498.2563	9.5500e-003	9.1300e-003	501.2172
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0457**	**0.3903**	**0.1661**	**2.4900e-003**		**0.0316**	**0.0316**		**0.0316**	**0.0316**		**498.2563**	**498.2563**	**9.5500e-003**	**9.1300e-003**	**501.2172**

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	3.9446	2.5791	13.2261	0.0162		0.2643	0.2643		0.2643	0.2643	0.0000	3,134.8518	3,134.8518	0.0810	0.0571	3,153.8844
Unmitigated	3.9446	2.5791	13.2261	0.0162		0.2643	0.2643		0.2643	0.2643	0.0000	3,134.8518	3,134.8518	0.0810	0.0571	3,153.8844

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	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2854	2.4385	1.0377	0.0156		0.1972	0.1972		0.1972	0.1972	0.0000	3,112.9412	3,112.9412	0.0597	0.0571	3,131.4398
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.9446**	**2.5791**	**13.2261**	**0.0162**		**0.2643**	**0.2643**		**0.2643**	**0.2643**	**0.0000**	**3,134.8518**	**3,134.8518**	**0.0810**	**0.0571**	**3,153.8844**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2854	2.4385	1.0377	0.0156		0.1972	0.1972		0.1972	0.1972	0.0000	3,112.9412	3,112.9412	0.0597	0.0571	3,131.4398
Landscaping	0.3715	0.1406	12.1885	6.4000e-004		0.0671	0.0671		0.0671	0.0671		21.9107	21.9107	0.0214		22.4446
Total	**3.9446**	**2.5791**	**13.2261**	**0.0162**		**0.2643**	**0.2643**		**0.2643**	**0.2643**	**0.0000**	**3,134.8518**	**3,134.8518**	**0.0810**	**0.0571**	**3,153.8844**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Casa Loma Residential (Operations)

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	28.95	1000sqft	0.66	28,953.00	0
Other Non-Asphalt Surfaces	127.76	1000sqft	2.93	127,762.00	0
Parking Lot	179.00	Space	0.73	31,650.00	0
Apartments Low Rise	147.00	Dwelling Unit	1.14	149,048.00	394

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Casa Loma Residential (Operations) - San Bernardino-South Coast County, Annual

Project Characteristics -

Land Use - Other Non-Asphalt Surfaces = Landscape, Open Space, and Parking Landscape areas. Parking Lot = Carport and Open Stall Spaces. Other Asphalt Surfaces = Paved Areas.

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Trip Characteristics based on information provided in the Casa Loma Residential Traffic Impact Analysis Report (TIA) by Linscott Law & Greenspan

Woodstoves - Rule 445

Energy Use - The project will design building shells and building components to meet 2019 Title 24 Standards which expects 3 53% less energy for residential uses.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblEnergyUse	LightingElect	810.36	380.87
tblEnergyUse	T24E	877.14	412.26
tblEnergyUse	T24NG	9,544.50	4,485.92
tblFireplaces	NumberGas	124.95	147.00
tblFireplaces	NumberNoFireplace	14.70	0.00
tblFireplaces	NumberWood	7.35	0.00
tblLandUse	LandUseSquareFeet	71,600.00	31,650.00
tblLandUse	LandUseSquareFeet	147,000.00	149,048.00
tblLandUse	LotAcreage	1.61	0.73
tblLandUse	LotAcreage	9.19	1.14
tblLandUse	Population	420.00	394.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblVehicleEF	HHD	1.24	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.46	7.82
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.92	2.4420e-003
tblVehicleEF	HHD	6,983.95	1,459.93
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.07	7.65
tblVehicleEF	HHD	2.87	3.24
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	0.89	0.60
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.09

tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	9.3000e-005	4.0000e-006
tblVehicleEF	HHD	3.4490e-003	1.2600e-004
tblVehicleEF	HHD	1.02	0.68
tblVehicleEF	HHD	5.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4200e-004	6.3700e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.17	0.03
tblVehicleEF	HHD	0.04	0.06
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.52	7.65
tblVehicleEF	HHD	0.58	0.51
tblVehicleEF	HHD	1.80	2.2950e-003
tblVehicleEF	HHD	7,395.94	1,453.32
tblVehicleEF	HHD	1,493.95	1,411.06
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	28.97	7.40
tblVehicleEF	HHD	2.70	3.05
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05

tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.9170e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
tblVehicleEF	HHD	0.84	0.62
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.07	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.7000e-005	0.00
tblVehicleEF	HHD	1.8400e-004	9.0000e-006
tblVehicleEF	HHD	3.9090e-003	1.4800e-004
tblVehicleEF	HHD	0.97	0.71
tblVehicleEF	HHD	1.2900e-004	6.0000e-006
tblVehicleEF	HHD	0.13	0.16
tblVehicleEF	HHD	2.4800e-004	6.5700e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.34	0.03
tblVehicleEF	HHD	0.04	3.7740e-003
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	4.76	7.98

tblVehicleEF	HHD	0.58	0.36
tblVehicleEF	HHD	1.89	2.4140e-003
tblVehicleEF	HHD	6,415.00	1,454.79
tblVehicleEF	HHD	1,493.95	1,371.01
tblVehicleEF	HHD	5.71	0.02
tblVehicleEF	HHD	26.84	7.90
tblVehicleEF	HHD	2.83	3.15
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8820e-003	8.8160e-003
tblVehicleEF	HHD	0.01	0.05
tblVehicleEF	HHD	5.0000e-005	1.0000e-006
tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	0.96	0.56
tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	0.06	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.9000e-005	0.00

tblVehicleEF	HHD	9.4000e-005	4.0000e-006
tblVehicleEF	HHD	3.7830e-003	1.4900e-004
tblVehicleEF	HHD	1.10	0.64
tblVehicleEF	HHD	5.6000e-005	2.0000e-006
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	2.5900e-004	6.6600e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	LDA	4.6640e-003	2.7950e-003
tblVehicleEF	LDA	6.4640e-003	0.06
tblVehicleEF	LDA	0.62	0.70
tblVehicleEF	LDA	1.32	2.22
tblVehicleEF	LDA	261.85	269.33
tblVehicleEF	LDA	59.28	55.48
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.6230e-003	2.6640e-003
tblVehicleEF	LDA	6.1500e-004	5.4900e-004
tblVehicleEF	LDA	0.05	0.07

tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.27
tblVehicleEF	LDA	5.3170e-003	3.2030e-003
tblVehicleEF	LDA	5.3900e-003	0.05
tblVehicleEF	LDA	0.76	0.86
tblVehicleEF	LDA	1.10	1.85
tblVehicleEF	LDA	286.52	294.16
tblVehicleEF	LDA	59.28	54.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	2.8710e-003	2.9100e-003
tblVehicleEF	LDA	6.1100e-004	5.4200e-004
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.08	0.11

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.23
tblVehicleEF	LDA	4.5320e-003	2.7260e-003
tblVehicleEF	LDA	6.4200e-003	0.06
tblVehicleEF	LDA	0.58	0.67
tblVehicleEF	LDA	1.30	2.19
tblVehicleEF	LDA	256.02	263.51
tblVehicleEF	LDA	59.28	55.41
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	1.7130e-003	1.5260e-003
tblVehicleEF	LDA	2.3020e-003	1.9470e-003
tblVehicleEF	LDA	1.5790e-003	1.4050e-003
tblVehicleEF	LDA	2.1170e-003	1.7910e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.25
tblVehicleEF	LDA	0.09	0.25
tblVehicleEF	LDA	2.5640e-003	2.6070e-003
tblVehicleEF	LDA	6.1500e-004	5.4800e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.12	0.12
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.25

tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDT1	0.02	8.1890e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.71	1.63
tblVehicleEF	LDT1	4.02	2.54
tblVehicleEF	LDT1	323.73	319.09
tblVehicleEF	LDT1	72.77	67.44
tblVehicleEF	LDT1	0.18	0.15
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.29	0.48
tblVehicleEF	LDT1	3.2600e-003	3.1580e-003
tblVehicleEF	LDT1	7.9900e-004	6.6700e-004
tblVehicleEF	LDT1	0.19	0.21
tblVehicleEF	LDT1	0.36	0.29
tblVehicleEF	LDT1	0.13	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT1	0.02	9.2860e-003

tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	2.05	1.97
tblVehicleEF	LDT1	3.30	2.10
tblVehicleEF	LDT1	352.65	345.09
tblVehicleEF	LDT1	72.77	66.47
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.24	0.41
tblVehicleEF	LDT1	3.5540e-003	3.4150e-003
tblVehicleEF	LDT1	7.8600e-004	6.5800e-004
tblVehicleEF	LDT1	0.40	0.44
tblVehicleEF	LDT1	0.44	0.36
tblVehicleEF	LDT1	0.29	0.32
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.21	0.95
tblVehicleEF	LDT1	0.26	0.44
tblVehicleEF	LDT1	0.01	7.9980e-003
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	1.62	1.55

tblVehicleEF	LDT1	3.95	2.49
tblVehicleEF	LDT1	316.91	312.93
tblVehicleEF	LDT1	72.77	67.36
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	2.8630e-003	2.4040e-003
tblVehicleEF	LDT1	3.8930e-003	3.0870e-003
tblVehicleEF	LDT1	2.6370e-003	2.2130e-003
tblVehicleEF	LDT1	3.5800e-003	2.8380e-003
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.28	0.48
tblVehicleEF	LDT1	3.1900e-003	3.0970e-003
tblVehicleEF	LDT1	7.9800e-004	6.6700e-004
tblVehicleEF	LDT1	0.20	0.22
tblVehicleEF	LDT1	0.41	0.33
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.25	1.12
tblVehicleEF	LDT1	0.31	0.53
tblVehicleEF	LDT2	6.9330e-003	4.8260e-003
tblVehicleEF	LDT2	9.2890e-003	0.08
tblVehicleEF	LDT2	0.85	1.06
tblVehicleEF	LDT2	1.85	2.89
tblVehicleEF	LDT2	363.70	344.02

tblVehicleEF	LDT2	81.97	72.94
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.6440e-003	3.4040e-003
tblVehicleEF	LDT2	8.5100e-004	7.2200e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.13	0.16
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	7.8730e-003	5.5090e-003
tblVehicleEF	LDT2	7.7350e-003	0.07
tblVehicleEF	LDT2	1.04	1.30
tblVehicleEF	LDT2	1.53	2.39
tblVehicleEF	LDT2	397.09	369.57
tblVehicleEF	LDT2	81.97	71.94
tblVehicleEF	LDT2	0.09	0.09

tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003
tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.10	0.32
tblVehicleEF	LDT2	3.9810e-003	3.6570e-003
tblVehicleEF	LDT2	8.4600e-004	7.1200e-004
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.16	0.19
tblVehicleEF	LDT2	0.12	0.19
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.50
tblVehicleEF	LDT2	0.11	0.35
tblVehicleEF	LDT2	6.7430e-003	4.7100e-003
tblVehicleEF	LDT2	9.2200e-003	0.08
tblVehicleEF	LDT2	0.81	1.01
tblVehicleEF	LDT2	1.82	2.84
tblVehicleEF	LDT2	355.82	337.97
tblVehicleEF	LDT2	81.97	72.85
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	1.7370e-003	1.5970e-003
tblVehicleEF	LDT2	2.4180e-003	2.0410e-003

tblVehicleEF	LDT2	1.5980e-003	1.4690e-003
tblVehicleEF	LDT2	2.2230e-003	1.8770e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.12	0.38
tblVehicleEF	LDT2	3.5650e-003	3.3440e-003
tblVehicleEF	LDT2	8.5100e-004	7.2100e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.08	0.58
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.4860e-003	4.9840e-003
tblVehicleEF	LHD1	0.01	7.1410e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.77	1.07
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.99
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.26	1.69

tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.29	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6200e-004	1.0900e-004
tblVehicleEF	LHD1	3.7970e-003	3.3360e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8480e-003	1.6030e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.62
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD1	5.4860e-003	5.0000e-003
tblVehicleEF	LHD1	0.01	7.3180e-003

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.18	0.99
tblVehicleEF	LHD1	2.58	1.00
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.98
tblVehicleEF	LHD1	30.92	10.87
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.12	1.58
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0370e-003	6.3960e-003
tblVehicleEF	LHD1	3.5800e-004	1.0800e-004

tblVehicleEF	LHD1	7.5090e-003	6.6400e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	4.2150e-003	3.7110e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.35	0.63
tblVehicleEF	LHD1	0.30	0.09
tblVehicleEF	LHD1	5.4860e-003	4.9870e-003
tblVehicleEF	LHD1	0.01	7.1590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	1.16	0.97
tblVehicleEF	LHD1	2.72	1.05
tblVehicleEF	LHD1	9.23	9.41
tblVehicleEF	LHD1	614.92	656.94
tblVehicleEF	LHD1	30.92	10.96
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	2.22	1.66
tblVehicleEF	LHD1	9.6600e-004	9.4300e-004
tblVehicleEF	LHD1	0.01	9.9510e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0070e-003	2.7600e-004
tblVehicleEF	LHD1	9.2400e-004	9.0200e-004
tblVehicleEF	LHD1	2.5280e-003	2.4880e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2600e-004	2.5400e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003

tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	9.2000e-005	9.1000e-005
tblVehicleEF	LHD1	6.0360e-003	6.3950e-003
tblVehicleEF	LHD1	3.6100e-004	1.0800e-004
tblVehicleEF	LHD1	4.1760e-003	3.7150e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8200e-003	1.5810e-003
tblVehicleEF	LHD1	0.11	0.09
tblVehicleEF	LHD1	0.38	0.67
tblVehicleEF	LHD1	0.31	0.09
tblVehicleEF	LHD2	3.8190e-003	3.4060e-003
tblVehicleEF	LHD2	5.2410e-003	4.5240e-003
tblVehicleEF	LHD2	9.1660e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.29	0.64
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.51
tblVehicleEF	LHD2	24.89	7.96
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.69	1.81

tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7300e-004	7.9000e-005
tblVehicleEF	LHD2	1.4000e-003	1.6380e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3800e-004	8.2600e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4160e-003
tblVehicleEF	LHD2	5.3190e-003	4.5750e-003
tblVehicleEF	LHD2	8.7380e-003	9.6870e-003

tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.56	0.62
tblVehicleEF	LHD2	1.21	0.60
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.89
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.70
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7100e-004	7.8000e-005
tblVehicleEF	LHD2	2.7070e-003	3.1900e-003
tblVehicleEF	LHD2	0.05	0.06

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6130e-003	1.8380e-003
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.31
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	3.8190e-003	3.4070e-003
tblVehicleEF	LHD2	5.2490e-003	4.5300e-003
tblVehicleEF	LHD2	9.0820e-003	0.01
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.55	0.61
tblVehicleEF	LHD2	1.27	0.63
tblVehicleEF	LHD2	14.32	14.63
tblVehicleEF	LHD2	614.63	657.52
tblVehicleEF	LHD2	24.89	7.94
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.67	1.78
tblVehicleEF	LHD2	1.3030e-003	1.3910e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.2500e-004	1.3300e-004
tblVehicleEF	LHD2	1.2470e-003	1.3310e-003
tblVehicleEF	LHD2	2.6810e-003	2.6890e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9100e-004	1.2300e-004
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02

tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	5.9810e-003	6.3440e-003
tblVehicleEF	LHD2	2.7200e-004	7.9000e-005
tblVehicleEF	LHD2	1.4600e-003	1.7460e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	8.0700e-004
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.16	0.25
tblVehicleEF	MCY	21.02	21.16
tblVehicleEF	MCY	9.91	8.77
tblVehicleEF	MCY	167.12	211.16
tblVehicleEF	MCY	46.87	61.87
tblVehicleEF	MCY	1.17	1.17
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80

tblVehicleEF	MCY	2.26	2.26
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.17	1.92
tblVehicleEF	MCY	2.0790e-003	2.0900e-003
tblVehicleEF	MCY	6.9500e-004	6.1200e-004
tblVehicleEF	MCY	1.45	1.44
tblVehicleEF	MCY	0.85	0.84
tblVehicleEF	MCY	0.80	0.80
tblVehicleEF	MCY	2.76	2.76
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.37	2.08
tblVehicleEF	MCY	0.41	0.32
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	21.14	21.29
tblVehicleEF	MCY	9.06	7.97
tblVehicleEF	MCY	167.12	211.14
tblVehicleEF	MCY	46.87	59.68
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.19	2.19
tblVehicleEF	MCY	0.50	2.09

tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0790e-003	2.0890e-003
tblVehicleEF	MCY	6.7100e-004	5.9100e-004
tblVehicleEF	MCY	3.14	3.13
tblVehicleEF	MCY	1.28	1.28
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	2.69	2.68
tblVehicleEF	MCY	0.50	2.09
tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	20.06	20.18
tblVehicleEF	MCY	9.53	8.41
tblVehicleEF	MCY	167.12	209.47
tblVehicleEF	MCY	46.87	61.06
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	1.8190e-003	1.7890e-003
tblVehicleEF	MCY	3.7460e-003	3.1050e-003
tblVehicleEF	MCY	1.7050e-003	1.6760e-003
tblVehicleEF	MCY	3.5370e-003	2.9300e-003
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.22	2.22
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.10	1.84
tblVehicleEF	MCY	2.0630e-003	2.0730e-003

tblVehicleEF	MCY	6.8600e-004	6.0400e-004
tblVehicleEF	MCY	1.71	1.70
tblVehicleEF	MCY	1.14	1.12
tblVehicleEF	MCY	0.72	0.71
tblVehicleEF	MCY	2.71	2.71
tblVehicleEF	MCY	0.57	2.38
tblVehicleEF	MCY	2.28	2.00
tblVehicleEF	MDV	0.01	6.6050e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.55	1.33
tblVehicleEF	MDV	3.59	3.53
tblVehicleEF	MDV	498.66	425.70
tblVehicleEF	MDV	110.76	90.07
tblVehicleEF	MDV	0.20	0.14
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.28	0.50
tblVehicleEF	MDV	5.0000e-003	4.2090e-003
tblVehicleEF	MDV	1.1710e-003	8.9100e-004
tblVehicleEF	MDV	0.10	0.12

tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MDV	0.02	7.4780e-003
tblVehicleEF	MDV	0.02	0.08
tblVehicleEF	MDV	1.87	1.60
tblVehicleEF	MDV	2.99	2.92
tblVehicleEF	MDV	542.90	452.84
tblVehicleEF	MDV	110.76	88.84
tblVehicleEF	MDV	0.18	0.12
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	5.4470e-003	4.4780e-003
tblVehicleEF	MDV	1.1600e-003	8.7900e-004
tblVehicleEF	MDV	0.21	0.25
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.18	0.22

tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.53
tblVehicleEF	MDV	0.26	0.46
tblVehicleEF	MDV	0.01	6.4310e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	1.25
tblVehicleEF	MDV	3.53	3.47
tblVehicleEF	MDV	488.33	419.25
tblVehicleEF	MDV	110.76	89.97
tblVehicleEF	MDV	0.19	0.13
tblVehicleEF	MDV	1.8680e-003	1.7260e-003
tblVehicleEF	MDV	2.5890e-003	2.1810e-003
tblVehicleEF	MDV	1.7240e-003	1.5930e-003
tblVehicleEF	MDV	2.3820e-003	2.0080e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.13	0.61
tblVehicleEF	MDV	0.28	0.49
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tblVehicleEF	MDV	1.1700e-003	8.9000e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.13	0.61

tblVehicleEF	MDV	0.31	0.54
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.60	0.37
tblVehicleEF	MH	6.96	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.64	4.70
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.2000e-004	0.00
tblVehicleEF	MH	1.56	0.00
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.54	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.44	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.74	0.37
tblVehicleEF	MH	6.31	0.00
tblVehicleEF	MH	1,048.28	958.86
tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.50	4.42
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.0900e-004	0.00
tblVehicleEF	MH	3.12	0.00
tblVehicleEF	MH	0.11	0.00
tblVehicleEF	MH	1.30	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.04	3.8870e-003
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	3.61	0.37
tblVehicleEF	MH	6.87	0.00
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tblVehicleEF	MH	59.91	0.00
tblVehicleEF	MH	1.61	4.62
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.04	0.15
tblVehicleEF	MH	1.2510e-003	0.00
tblVehicleEF	MH	3.2210e-003	4.0000e-003
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	1.1500e-003	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.03	0.00
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.01	9.0650e-003
tblVehicleEF	MH	7.1900e-004	0.00
tblVehicleEF	MH	1.88	0.00
tblVehicleEF	MH	0.12	0.00
tblVehicleEF	MH	0.56	0.00
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	0.00

tblVehicleEF	MH	0.43	0.00
tblVehicleEF	MHD	0.02	3.2250e-003
tblVehicleEF	MHD	4.1450e-003	6.0340e-003
tblVehicleEF	MHD	0.06	8.8310e-003
tblVehicleEF	MHD	0.33	0.34
tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	6.00	1.03
tblVehicleEF	MHD	155.10	71.06
tblVehicleEF	MHD	1,105.72	1,029.53
tblVehicleEF	MHD	53.92	8.43
tblVehicleEF	MHD	0.63	0.61
tblVehicleEF	MHD	1.08	2.22
tblVehicleEF	MHD	4.3700e-004	2.0190e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	4.1800e-004	1.9320e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.4910e-003	6.7400e-004
tblVehicleEF	MHD	0.01	9.8100e-003

tblVehicleEF	MHD	6.4400e-004	8.3000e-005
tblVehicleEF	MHD	1.4330e-003	6.5800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1400e-004	3.2600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	0.02	3.0610e-003
tblVehicleEF	MHD	4.2290e-003	6.0860e-003
tblVehicleEF	MHD	0.05	8.4200e-003
tblVehicleEF	MHD	0.24	0.28
tblVehicleEF	MHD	0.32	0.56
tblVehicleEF	MHD	5.61	0.96
tblVehicleEF	MHD	164.29	72.29
tblVehicleEF	MHD	1,105.72	1,029.54
tblVehicleEF	MHD	53.92	8.32
tblVehicleEF	MHD	0.65	0.62
tblVehicleEF	MHD	1.01	2.09
tblVehicleEF	MHD	3.6900e-004	1.7050e-003
tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	3.5300e-004	1.6310e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.04
tblVehicleEF	MHD	1.5770e-003	6.8600e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.3800e-004	8.2000e-005
tblVehicleEF	MHD	2.8480e-003	1.3100e-003
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.6690e-003	7.6600e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.05
tblVehicleEF	MHD	0.02	3.4660e-003
tblVehicleEF	MHD	4.1530e-003	6.0380e-003
tblVehicleEF	MHD	0.06	8.7320e-003
tblVehicleEF	MHD	0.46	0.42
tblVehicleEF	MHD	0.31	0.55
tblVehicleEF	MHD	5.90	1.02
tblVehicleEF	MHD	142.41	69.34
tblVehicleEF	MHD	1,105.72	1,029.53
tblVehicleEF	MHD	53.92	8.40
tblVehicleEF	MHD	0.60	0.60
tblVehicleEF	MHD	1.06	2.18
tblVehicleEF	MHD	5.3200e-004	2.4540e-003

tblVehicleEF	MHD	5.5780e-003	0.06
tblVehicleEF	MHD	8.2200e-004	1.0600e-004
tblVehicleEF	MHD	5.0900e-004	2.3480e-003
tblVehicleEF	MHD	5.3330e-003	0.06
tblVehicleEF	MHD	7.5600e-004	9.7000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.36	0.05
tblVehicleEF	MHD	1.3710e-003	6.5800e-004
tblVehicleEF	MHD	0.01	9.8100e-003
tblVehicleEF	MHD	6.4300e-004	8.3000e-005
tblVehicleEF	MHD	1.5800e-003	7.2800e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.2200e-004
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.39	0.05
tblVehicleEF	OBUS	0.01	9.3650e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.49
tblVehicleEF	OBUS	0.73	1.19

tblVehicleEF	OBUS	6.67	2.81
tblVehicleEF	OBUS	70.21	68.33
tblVehicleEF	OBUS	1,126.32	1,507.23
tblVehicleEF	OBUS	71.08	22.19
tblVehicleEF	OBUS	0.32	0.39
tblVehicleEF	OBUS	1.10	1.47
tblVehicleEF	OBUS	1.1300e-004	1.5090e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.0800e-004	1.4440e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.8200e-004	6.5300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2800e-004	2.2000e-004
tblVehicleEF	OBUS	2.2350e-003	2.8130e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.4600e-004	1.1440e-003
tblVehicleEF	OBUS	0.06	0.11

tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	OBUS	0.01	9.3930e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.47
tblVehicleEF	OBUS	0.75	1.22
tblVehicleEF	OBUS	6.11	2.57
tblVehicleEF	OBUS	73.34	68.71
tblVehicleEF	OBUS	1,126.32	1,507.28
tblVehicleEF	OBUS	71.08	21.80
tblVehicleEF	OBUS	0.33	0.39
tblVehicleEF	OBUS	1.02	1.35
tblVehicleEF	OBUS	9.5000e-005	1.2750e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	9.1000e-005	1.2200e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.05	0.09
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.39	0.13
tblVehicleEF	OBUS	7.1200e-004	6.5600e-004

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	2.1600e-004
tblVehicleEF	OBUS	4.3510e-003	5.4910e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	2.1830e-003	2.6560e-003
tblVehicleEF	OBUS	0.07	0.11
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.42	0.14
tblVehicleEF	OBUS	0.01	9.3640e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.51
tblVehicleEF	OBUS	0.73	1.19
tblVehicleEF	OBUS	6.62	2.79
tblVehicleEF	OBUS	65.88	67.80
tblVehicleEF	OBUS	1,126.32	1,507.24
tblVehicleEF	OBUS	71.08	22.15
tblVehicleEF	OBUS	0.31	0.39
tblVehicleEF	OBUS	1.08	1.44
tblVehicleEF	OBUS	1.3700e-004	1.8320e-003
tblVehicleEF	OBUS	5.4210e-003	0.03
tblVehicleEF	OBUS	9.1200e-004	2.2900e-004
tblVehicleEF	OBUS	1.3100e-004	1.7520e-003
tblVehicleEF	OBUS	5.1650e-003	0.02
tblVehicleEF	OBUS	8.3900e-004	2.1000e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003

tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.41	0.13
tblVehicleEF	OBUS	6.4100e-004	6.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2700e-004	2.1900e-004
tblVehicleEF	OBUS	2.3980e-003	3.0600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	9.5900e-004	1.1590e-003
tblVehicleEF	OBUS	0.06	0.11
tblVehicleEF	OBUS	0.05	0.33
tblVehicleEF	OBUS	0.45	0.15
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3980e-003
tblVehicleEF	SBUS	0.07	3.9120e-003
tblVehicleEF	SBUS	5.64	1.82
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.49	0.54
tblVehicleEF	SBUS	1,270.71	336.96
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.11
tblVehicleEF	SBUS	12.46	3.45
tblVehicleEF	SBUS	5.17	5.36

tblVehicleEF	SBUS	0.01	4.4720e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	4.2790e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.28	0.02
tblVehicleEF	SBUS	0.01	3.2020e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.0740e-003	7.7800e-004
tblVehicleEF	SBUS	0.02	5.7810e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.3130e-003	3.5100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.31	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.4900e-003

tblVehicleEF	SBUS	0.06	3.2450e-003
tblVehicleEF	SBUS	5.48	1.78
tblVehicleEF	SBUS	0.72	0.64
tblVehicleEF	SBUS	3.76	0.38
tblVehicleEF	SBUS	1,335.64	345.46
tblVehicleEF	SBUS	1,144.20	1,143.58
tblVehicleEF	SBUS	36.06	2.85
tblVehicleEF	SBUS	12.86	3.52
tblVehicleEF	SBUS	4.84	5.03
tblVehicleEF	SBUS	0.01	3.7780e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.01	3.6140e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.67	0.19
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.23	0.02
tblVehicleEF	SBUS	0.01	3.2820e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	2.8000e-005

tblVehicleEF	SBUS	5.9210e-003	1.3950e-003
tblVehicleEF	SBUS	0.02	6.1530e-003
tblVehicleEF	SBUS	0.96	0.27
tblVehicleEF	SBUS	2.9370e-003	6.8100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	9.6420e-003	0.04
tblVehicleEF	SBUS	0.25	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.01	7.3930e-003
tblVehicleEF	SBUS	0.07	4.0100e-003
tblVehicleEF	SBUS	5.85	1.87
tblVehicleEF	SBUS	0.71	0.62
tblVehicleEF	SBUS	5.54	0.56
tblVehicleEF	SBUS	1,181.05	325.23
tblVehicleEF	SBUS	1,144.20	1,143.56
tblVehicleEF	SBUS	36.06	3.14
tblVehicleEF	SBUS	11.91	3.35
tblVehicleEF	SBUS	5.09	5.28
tblVehicleEF	SBUS	0.02	5.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	5.0600e-004	3.0000e-005
tblVehicleEF	SBUS	0.02	5.1960e-003
tblVehicleEF	SBUS	2.7630e-003	2.7740e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.6500e-004	2.7000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004

tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.68	0.19
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.12	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.29	0.02
tblVehicleEF	SBUS	0.01	3.0910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5600e-004	3.1000e-005
tblVehicleEF	SBUS	3.2090e-003	7.9400e-004
tblVehicleEF	SBUS	0.02	6.3370e-003
tblVehicleEF	SBUS	0.97	0.27
tblVehicleEF	SBUS	1.2980e-003	3.6100e-004
tblVehicleEF	SBUS	0.14	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.32	0.03
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.79	32.64
tblVehicleEF	UBUS	14.93	1.46
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.41
tblVehicleEF	UBUS	6.43	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004

tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.19	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6230e-003	1.7200e-004
tblVehicleEF	UBUS	8.4220e-003	1.6730e-003
tblVehicleEF	UBUS	0.12	0.01
tblVehicleEF	UBUS	4.0730e-003	7.0000e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.30	0.08
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.08	0.02
tblVehicleEF	UBUS	9.90	32.64
tblVehicleEF	UBUS	12.23	1.20
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	16.98
tblVehicleEF	UBUS	5.98	0.38
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03

tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	0.67	0.06
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.06	0.06
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.5760e-003	1.6800e-004
tblVehicleEF	UBUS	0.02	3.2040e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	9.6640e-003	1.6440e-003
tblVehicleEF	UBUS	2.69	4.28
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	1.16	0.07
tblVehicleEF	UBUS	1.95	4.19
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	9.80	32.64
tblVehicleEF	UBUS	14.43	1.42
tblVehicleEF	UBUS	1,861.83	1,734.35
tblVehicleEF	UBUS	135.15	17.36
tblVehicleEF	UBUS	6.31	0.38

tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	2.6450e-003
tblVehicleEF	UBUS	1.3790e-003	1.6700e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.3130e-003
tblVehicleEF	UBUS	0.07	2.5170e-003
tblVehicleEF	UBUS	1.2680e-003	1.5300e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	0.66	0.06
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.17	0.07
tblVehicleEF	UBUS	0.01	3.9850e-003
tblVehicleEF	UBUS	1.6140e-003	1.7200e-004
tblVehicleEF	UBUS	9.6690e-003	1.7590e-003
tblVehicleEF	UBUS	0.15	0.01
tblVehicleEF	UBUS	4.2700e-003	6.8900e-004
tblVehicleEF	UBUS	2.68	4.28
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.28	0.08
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	WD_TR	6.59	7.32
tblWoodstoves	NumberCatalytic	7.35	0.00
tblWoodstoves	NumberNoncatalytic	7.35	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6500	0.0481	1.5365	2.7000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	37.7848	37.7848	3.1000e-003	6.5000e-004	38.0551
Energy	8.3400e-003	0.0712	0.0303	4.5000e-004		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	271.7732	271.7732	9.4000e-003	3.1300e-003	272.9406
Mobile	0.5629	2.4000	5.4228	0.0163	1.3915	0.0268	1.4183	0.3725	0.0254	0.3979	0.0000	1,529.6970	1,529.6970	0.0853	0.0000	1,531.8282
Waste						0.0000	0.0000		0.0000	0.0000	13.7263	0.0000	13.7263	0.8112	0.0000	34.0062
Water						0.0000	0.0000		0.0000	0.0000	3.0385	61.1095	64.1481	0.3146	7.8900e-003	74.3649
Total	**1.2212**	**2.5193**	**6.9896**	**0.0170**	**1.3915**	**0.0434**	**1.4349**	**0.3725**	**0.0420**	**0.4145**	**16.7648**	**1,900.3645**	**1,917.1293**	**1.2236**	**0.0117**	**1,951.1949**

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	0.6500	0.0481	1.5365	2.7000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	37.7848	37.7848	3.1000e-003	6.5000e-004	38.0551
Energy	8.3400e-003	0.0712	0.0303	4.5000e-004		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	271.7732	271.7732	9.4000e-003	3.1300e-003	272.9406
Mobile	0.5629	2.4000	5.4228	0.0163	1.3915	0.0268	1.4183	0.3725	0.0254	0.3979	0.0000	1,529.6970	1,529.6970	0.0853	0.0000	1,531.8282
Waste						0.0000	0.0000		0.0000	0.0000	13.7263	0.0000	13.7263	0.8112	0.0000	34.0062
Water						0.0000	0.0000		0.0000	0.0000	3.0385	61.1095	64.1481	0.3146	7.8900e-003	74.3649
Total	**1.2212**	**2.5193**	**6.9896**	**0.0170**	**1.3915**	**0.0434**	**1.4349**	**0.3725**	**0.0420**	**0.4145**	**16.7648**	**1,900.3645**	**1,917.1293**	**1.2236**	**0.0117**	**1,951.1949**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/1/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.32

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Site Preparation - 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					
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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

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

3.2 Site Preparation - 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	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5629	2.4000	5.4228	0.0163	1.3915	0.0268	1.4183	0.3725	0.0254	0.3979	0.0000	1,529.6970	1,529.6970	0.0853	0.0000	1,531.8282
Unmitigated	0.5629	2.4000	5.4228	0.0163	1.3915	0.0268	1.4183	0.3725	0.0254	0.3979	0.0000	1,529.6970	1,529.6970	0.0853	0.0000	1,531.8282

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,076.04	1,196.58	923.16	3,661,205	3,661,205
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,076.04	1,196.58	923.16	3,661,205	3,661,205

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Other Non-Asphalt Surfaces	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010
Parking Lot	0.549952	0.037123	0.179649	0.119457	0.017229	0.005267	0.017877	0.062669	0.001348	0.001607	0.006000	0.000812	0.001010

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	189.2813	189.2813	7.8100e-003	1.6200e-003	189.9585
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	189.2813	189.2813	7.8100e-003	1.6200e-003	189.9585
NaturalGas Mitigated	8.3400e-003	0.0712	0.0303	4.5000e-004		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	82.4919	82.4919	1.5800e-003	1.5100e-003	82.9821
NaturalGas Unmitigated	8.3400e-003	0.0712	0.0303	4.5000e-004		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	82.4919	82.4919	1.5800e-003	1.5100e-003	82.9821

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.54584e+006	8.3400e-003	0.0712	0.0303	4.5000e-004		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	82.4919	82.4919	1.5800e-003	1.5100e-003	82.9821
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**8.3400e-003**	**0.0712**	**0.0303**	**4.5000e-004**		**5.7600e-003**	**5.7600e-003**		**5.7600e-003**	**5.7600e-003**	**0.0000**	**82.4919**	**82.4919**	**1.5800e-003**	**1.5100e-003**	**82.9821**

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					
Apartments Low Rise	1.54584e+006	8.3400e-003	0.0712	0.0303	4.5000e-004		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	82.4919	82.4919	1.5800e-003	1.5100e-003	82.9821
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**8.3400e-003**	**0.0712**	**0.0303**	**4.5000e-004**		**5.7600e-003**	**5.7600e-003**		**5.7600e-003**	**5.7600e-003**	**0.0000**	**82.4919**	**82.4919**	**1.5800e-003**	**1.5100e-003**	**82.9821**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	582986	185.7518	7.6700e-003	1.5900e-003	186.4163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	11077.5	3.5295	1.5000e-004	3.0000e-005	3.5422
Total		**189.2813**	**7.8200e-003**	**1.6200e-003**	**189.9585**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	582986	185.7518	7.6700e-003	1.5900e-003	186.4163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	11077.5	3.5295	1.5000e-004	3.0000e-005	3.5422
Total		**189.2813**	**7.8200e-003**	**1.6200e-003**	**189.9585**

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	0.6500	0.0481	1.5365	2.7000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	37.7848	37.7848	3.1000e-003	6.5000e-004	38.0551
Unmitigated	0.6500	0.0481	1.5365	2.7000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	37.7848	37.7848	3.1000e-003	6.5000e-004	38.0551

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	0.0493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.5700e-003	0.0305	0.0130	1.9000e-004		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	35.3002	35.3002	6.8000e-004	6.5000e-004	35.5099
Landscaping	0.0464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
Total	**0.6500**	**0.0481**	**1.5365**	**2.7000e-004**		**0.0109**	**0.0109**		**0.0109**	**0.0109**	**0.0000**	**37.7848**	**37.7848**	**3.1000e-003**	**6.5000e-004**	**38.0551**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5508					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.5700e-003	0.0305	0.0130	1.9000e-004		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	35.3002	35.3002	6.8000e-004	6.5000e-004	35.5099
Landscaping	0.0464	0.0176	1.5236	8.0000e-005		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	2.4846	2.4846	2.4200e-003	0.0000	2.5452
Total	**0.6500**	**0.0481**	**1.5365**	**2.7000e-004**		**0.0109**	**0.0109**		**0.0109**	**0.0109**	**0.0000**	**37.7848**	**37.7848**	**3.1000e-003**	**6.5000e-004**	**38.0551**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	64.1481	0.3146	7.8900e-003	74.3649
Unmitigated	64.1481	0.3146	7.8900e-003	74.3649

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	9.57764 / 6.03808	64.1481	0.3146	7.8900e-003	74.3649
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**64.1481**	**0.3146**	**7.8900e-003**	**74.3649**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	9.57764 / 6.03808	64.1481	0.3146	7.8900e-003	74.3649
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**64.1481**	**0.3146**	**7.8900e-003**	**74.3649**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.7263	0.8112	0.0000	34.0062
Unmitigated	13.7263	0.8112	0.0000	34.0062

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	67.62	13.7263	0.8112	0.0000	34.0062
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**13.7263**	**0.8112**	**0.0000**	**34.0062**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	67.62	13.7263	0.8112	0.0000	34.0062
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**13.7263**	**0.8112**	**0.0000**	**34.0062**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation