Appendix C Air Quality and Greenhouse Gas Memorandum

April 12, 2021

Ms. Tracy Zinn
T&B Planning, Inc.
3200 El Camino Real, Suite 100
Irvine, CA 92602

SUBJECT: RESIDENCES AT NEWPORT CENTER AIR QUALITY & GREENHOUSE GAS MEMORANDUM

Dear Ms. Tracy Zinn:

Urban Crossroads, Inc. is pleased to provide the following Air Quality & Greenhouse Gas Memorandum (Memorandum) for the Residences at Newport Center Project (Project), which is located at 150 Newport Center Drive, in the City of Newport Beach, 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

The Project is proposed to involve the demolition and removal of "The Newport Beach Car Wash," which consists of an approximately 2,085 square foot (sq. ft.) single-story building that operates as a car wash facility with associated convenience market and gas station and the development of a four-story structure that would contain 28 luxury condominium units and common space areas over a two-level below-grade parking garage. The building footprint (first floor) would be approximately 27,006 sq. ft and the residential units, interior circulation, lobbies, fitness areas, and other communal gathering areas would collectively result in a total gross building area of 103,158 gross sq. ft. The below-grade parking areas would comprise approximately 71,456 gross sq. ft. The podium wall (the outside wall that forms the foundation of the structure) would provide physical separation between the proposed residential units and the adjacent commercial developments to the south and west of the Project site.

EXHIBIT A: LOCATION MAP

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EXHIBIT B: LAND USE CONCEPT

PROJECT AIR QUALITY IMPACT ANALYSIS

AIR QUALITY REGIONAL EMISSIONS THRESHOLDS

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

TABLE 1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

Pollutant	Construction	Operations
NO_X	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM_{10}	150 lbs/day	150 lbs/day
$PM_{2.5}$	55 lbs/day	55 lbs/day
SO_X	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day

lbs/day – Pounds Per Day
Source: Regional Thresholds presented in this table are based on the SCAQMD Air Quality Significance Thresholds, March 2015

APPLICABLE REGULATORY REQUIREMENTS

SCAQMD Rules that are currently applicable during construction activity for this Project include but are not limited to Rule 403 (Fugitive Dust) (2) and Rule 1113 (Architectural Coatings) (3). Additionally, this analysis assumes the Project's compliance with the 2019 Title 24 Standards.

SCAQMD Rule 401

A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the U.S. Bureau of Mines, or of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (b)(1)(A) of this rule.

SCAQMD Rule 403

This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive

dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities.

SCAQMD Rule 445

The requirement to only install gaseous-fueled fireplaces and stoves is applicable to any new residential or commercial development that begins construction on or after March 9, 2009.

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

SCAQMD Rule 1113

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

SCAQMD Rule 1403

This rule requires owners and operators of any demolition or renovation activity and the associated disturbance of asbestos-containing materials (ACM), any asbestos storage facility, or any active waste disposal site to implement work practice requirements to limit asbestos emissions from building demolition and renovation activities, including the removal and associated disturbance of ACM.

CONSTRUCTION EMISSIONS

Construction activities associated with the Project would result in emissions of carbon monoxide (CO), VOCs, Nitrogen Oxides (NO_X), Sulfur Oxides (SO_X), particulate matter ≤ 10 microns (PM_{10}), and particulate matter ≤ 2.5 microns ($PM_{2.5}$). Construction related emissions are expected from the construction activities presented below in Table 2.

The duration of construction activity was based on the 2023 Opening Year. For purposes of analysis, construction is expected to commence in early 2022 and continue for a duration of 19 months into 2023. The construction schedule utilized in the analysis, shown in Table 3, represents a "worst-case" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent.[1]

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

TABLE 2: CONSTRUCTION ACTIVITIES

Phase Name	Subphases	Phase Modeled in CalEEMod
Site Work	Demolition	Demolition
	Street Improvements	Site Preparation
	Caisson Placement	
	Lagging	
	Grading	Grading
Parking Structure	Concrete Placement	Paving
	Site Drainage	
	Shotcrete	
Superstructure	Precast Wall System	Building Construction
	Mechanical, Electrical, Plumbing, Wall/Door, and Large Tree Installation	
Interior	Interior Finishes	Architectural Coating
	Softscape Installation	
	Hardscape Installation	
	Passenger Elevators Installation	

TABLE 3: CONSTRUCTION DURATION (1 OF 2)

Phase Name	Subphases	Phase Modeled in CalEEMod	Start Date	End Date	Days
Site Work	Demolition	Demolition	02/01/2022	03/21/2022	35
	Street Improvements	Site Preparation	03/22/2022	06/27/2022	70
	Caisson Placement				
	Lagging				
	Grading	Grading	06/28/2022	08/08/2022	30
Parking Structure	Concrete Placement	Paving	08/09/2022	04/03/2023	170
	Site Drainage				
	Shotcrete				
Superstructure	Precast Wall System	Building Construction	04/04/2023	09/25/2023	125
	Mechanical, Electrical, Plumbing,				

TABLE 3: CONSTRUCTION DURATION (2 OF 2)

Phase Name	Subphases	Phase Modeled in CalEEMod	Start Date	End Date	Days
Interior	Interior Finishes	Architectural Coating	07/18/2023	09/25/2023	50
	Softscape Installation				
	Hardscape Installation				
	Passenger Elevators Installation				

Demolition

The Project is expected to result in 80 tons of construction debris, 240 cubic yards of concrete, and 620 cubic yards of asphalt, during the demolition phase of construction. CalEEMod assumes that a truck can handle 20 tons of material per load. The 80 tons of demolished material will be hauled off-site and would generate 8 (one-way) hauling trips.

Demolition debris and excavated soils would be disposed of at the Frank R. Bowerman Sanitary Landfill, located at 11002 Bee Canyon Access Road in Irvine (approximately 15 roadway miles from the Project site). The Project's demolition materials would also be transported to Dan Copp Crushing, located at 1120 N. Richfield Road in Anaheim (approximately 21 roadway miles from the Project site). Existing steel fuel tanks used by the existing gas station would be conveyed to a metal scrapping facility and any remnant liquids, including fuel, would be pumped out and disposed of in compliance with all applicable State of California hazardous materials procedures.

Grading Activities

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called "fugitive emissions". Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity.

The Project is expected to require 33,000 cubic yards of raw cut all of which will take place during the 30 days of the grading phase of construction; the materials will be taken to Frank R. Bowerman Sanitary Landfill in Irvine.

Construction Worker Vehicle Trips

Table 4 shows the number and length of on-road vehicle trips for workers, shuttle, vendors, and hauling for each construction phase. The trips identified in Table 4 are based on the CalEEMod default parameters, with the exception of shuttle trips which are based on information provided by the Project Applicant.

TABLE 4: CONSTRUCTION TRIPS

Construction Activity	Worker Trips / Day	Shuttle Trips / Day	Vendor Trips / Day	Total Hauling Trips	Worker Trip Length	Shuttle Trip Length	Vendor Trip Length	Hauling Trip Length
Demolition	25	84	0	8	14.7	5.0	6.9	10
Site Preparation	25	84	0	0	14.7	5.0	6.9	10
Grading	25	84	0	4,125	14.7	5.0	6.9	10
Paving	13	84	0	0	14.7	5.0	6.9	20
Building Construction	62	84	19	0	14.7	5.0	6.9	20
Architectural Coating	12	84	0	0	14.7	5.0	6.9	20

Construction Equipment

The construction equipment fleet was based on information provided by the Project Applicant. A detailed summary of construction equipment assumptions by phase is provided at Table 5.

TABLE 5: CONSTRUCTION EQUIPMENT (1 OF 3)

Phase Name	Phase Modeled in CalEEMod	Equipment	Amount	Hours Per Day
Site Work	Demolition	Compressor	1	8
		Concrete Mixer and Pumper	1	8
		Conveyor (electrical)	1	8
		Dozers	1	8
		Drill Rig	1	8
		Dump Trucks	1	8
		Excavators	1	8
		Flatbed Delivery Trucks	1	8
		Loader	1	8
		Ram Hoe	1	8
	Site Preparation	Compressor	1	8
		Concrete Mixer and Pumper	1	8
		Conveyor (electrical)	1	8
		Dozers	1	8
		Drill Rig	1	8

TABLE 5: CONSTRUCTION EQUIPMENT (2 OF 3)

Phase Name	Phase Modeled in CalEEMod	Equipment	Amount	Hours Per Day
Site Work	Site Preparation	Dump Trucks	1	8
		Excavators	1	8
		Flatbed Delivery Trucks	1	8
		Loader	1	8
		Ram Hoe	1	8
Site Work	Grading	Compressor	1	8
		Concrete Mixer and Pumper	1	8
		Conveyor (electrical)	1	8
		Dozers	1	8
		Drill Rig	1	8
		Dump Trucks	1	8
		Excavators	1	8
		Flatbed Delivery Trucks	1	8
		Loader	1	8
		Ram Hoe	1	8
Parking Structure	Paving	Backhoe	1	8
		Concrete Mixer and Pumper	1	8
		Crane	1	8
		Flatbed Delivery Trucks	1	8
		Drill Rig	1	8
Superstructure	Building Construction	Compressors	1	8
		Flatbed Delivery Trucks	1	8
		Masonry Saws	1	8
		Metal Stud Plasma Cutter	1	8
		Crane	1	8
		Roto Hammers	1	8
		Shot Pin Applicators	1	8
		Small Stationary Power/Hand Tools	1	8

TABLE 5: CONSTRUCTION EQUIPMENT (3 OF 3)

Phase Name	Phase Modeled in CalEEMod	Equipment	Amount	Hours Per Day
Interior	Architectural Coating	Compressors	1	8
		Flatbed Delivery Trucks	1	8
		Masonry Saws	1	8
		Roto Hammers	1	8
		Skill Saws	1	8
		Small Stationary Power/Hand Tools	1	8
		Small Cement Mixer	1	8

REGIONAL CONSTRUCTION EMISSIONS SUMMARY

The estimated maximum daily regional construction emissions are summarized on Table 6. Detailed construction model outputs are presented in Attachment A. Under the assumed scenarios, emissions resulting from the Project construction would not exceed criteria pollutant thresholds established by the SCAQMD for emissions of any criteria pollutant. Thus, a less than significant impact would occur for Project-related construction-source emissions and no mitigation is required beyond mandatory compliance with applicable SCAQMD Rules.

TABLE 6: PROJECT REGIONAL CONSTRUCTION EMISSIONS SUMMARY

Overlap	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2022	4.07	58.96	35.04	0.16	7.14	3.41
2023	16.79	44.70	52.74	0.11	3.68	2.39
Winter						
2022	4.12	59.32	35.41	0.16	7.15	3.41
2023	16.84	44.72	52.54	0.11	3.68	2.39
Maximum Daily Emissions	**16.84**	**59.32**	**52.74**	**0.16**	**7.15**	**3.41**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

OPERATIONAL EMISSIONS

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 Project's building will require maintenance and will therefore produce emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings. The emissions associated with architectural coatings were calculated using CalEEMod.

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

Hearths/Fireplaces – The Project is required to comply with SCAQMD Rule 445, which prohibits the use of wood burning stoves and wood burning fireplaces in new development. In order to account for the requirements of this Rule, the unmitigated CalEEMod model estimates were adjusted to remove wood burning stoves and wood burning fireplaces. As the project is required to comply with SCAQMD Rule 445, the removal of wood burning stoves and wood burning fireplaces is not considered "mitigation" by CEQA, although it must be identified as such in CalEEMod in order to treat the case appropriately.

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

Energy Source Emissions

Combustion Emissions Associated with Natural Gas and Electricity – Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because the Project does not include electrical generating facilities, criteria pollutant emissions from offsite generation of electricity is excluded from the evaluation herein. Additionally, based on information provided by the Project Applicant, the Project would not utilize natural gas.

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 California Energy Commission (CEC) and became effective on January 1, 2020. The CEC anticipates that residential buildings will use approximately 53% less energy compared to the prior code (4). The CalEEMod defaults for Title 24 – Electricity and Lighting Energy were reduced by 53% in order to reflect consistency with the 2019 Title 24 standard.

Mobile Source Emissions

The Project related operational air quality emissions derive primarily from vehicle trips generated by the Project, including resident and visitor trips to and from the site. Trip characteristics available from the *Residences at Newport Center Trip Generation Assessment* (TGA) report were utilized in this analysis. Per the TGA prepared by Urban Crossroads, Inc. the Project is expected to generate a total of approximately 152 two-way vehicular trips per day (76 inbound and 76 outbound) (5).

REGIONAL OPERATIONAL EMISSIONS SUMMARY

Existing Emissions

The Project Applicant proposed to remove the existing car wash on the site. The estimated operation-source emissions from the existing car wash are summarized on Table 3-7 and have been disclosed for information purposes only and the data for the existing use is provided in Table 3-5 of the 2016 AQIA (6).

TABLE 7: EXISTING OPERATIONAL EMISSIONS SUMMARY

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Area Source	0.22	1.00E-05	8.80E-04	0.00	0.00	0.00
Energy Source	5.43E-03	0.05	0.04	3.00E-04	3.75E-03	3.75E-03
Mobile Source	1.90	2.79	14.13	0.03	2.36	0.65
Total Maximum Daily Emissions	**2.13**	**2.84**	**14.17**	**0.03**	**2.36**	**0.65**
Winter						
Area Source	0.22	1.00E-05	8.80E-04	0.00	0.00	0.00
Energy Source	5.43E-03	0.05	0.04	3.00E-04	3.75E-03	3.75E-03
Mobile Source	2.04	2.92	14.95	0.03	2.36	0.65
Total Maximum Daily Emissions	**2.27**	**2.97**	**14.99**	**0.03**	**2.36**	**0.65**

Proposed Project Emissions

CalEEMod utilizes summer and winter EMFAC2017 emission factors in order to derive vehicle emissions associated with Project operational activities, which vary by season. The estimated operational-source emissions are summarized on Tables 8. It should be noted that this analysis conservatively reports operational emissions without taking credit for the existing use. Detailed operation model outputs for the Project are presented in Attachment A. As shown on Table 8, the Project's daily regional emissions from on-going operations will not exceed any of the thresholds of significance.

TABLE 8: PROJECT OPERATIONAL EMISSIONS SUMMARY

Source	Emissions (lbs/day)					
	VOC	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Summer						
Area Source	2.00	0.49	2.52	3.09E-03	0.05	0.05
Energy Source	6.86E-03	0.06	0.03	3.70E-04	4.74E-03	4.74E-03
Mobile Source	0.32	0.52	3.41	0.01	1.11	0.30
Total Maximum Daily Emissions	**2.33**	**1.07**	**5.96**	**0.01**	**1.16**	**0.36**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**
Winter						
Area Source	2.00	0.49	2.52	3.09E-03	0.05	0.05
Energy Source	6.86E-03	0.06	0.03	3.70E-04	4.74E-03	4.74E-03
Mobile Source	0.33	0.55	3.28	0.01	1.11	0.30
Total Maximum Daily Emissions	**2.34**	**1.10**	**5.82**	**0.01**	**1.16**	**0.36**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

LOCALIZED CONSTRUCTION EMISSIONS SUMMARY

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology) (7). 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[2]. LSTs represent the maximum emissions from a project that

[2] 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

will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

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.

Residential 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.

Non-Residential Receptors – As per the *LST Methodology*, commercial, office, and industrial facilities are not included in the definition of sensitive receptor because employees and visitors do not typically remain onsite for a full 24 hours but are typically onsite for approximately eight hours. However, it should be noted that the *LST Methodology* explicitly states that "*LSTs based on shorter averaging periods, such as the NO_2 and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours* (7)." Consistent with the SCAQMD's Final LST Methodology, the nearest industrial or commercial use to the Project site will be used to determine operational and construction air impacts for emissions of NO_2 and CO.

Project-related Sensitive Receptors

Sensitive receptors in the Project study area are described below and are shown on Exhibit C:

R1: Location R1 represents the existing residence at 1110 Granville Drive, approximately 746 feet west of the Project site. R1 is placed at the private outdoor living areas (backyards) facing the Project site.

R2: Location R2 represents existing office and commercial use at 210 Newport Center Drive, approximately 165 feet east of the Project site. Receptor R2 is placed at the building façade.

R3: Location R3 represents the Civic Center Park at 100 Civic Center Drive, approximately 1,002 feet southeast of the Project site. Receptor R3 is placed at the park boundary.

R4: Location R4 represents existing office use at 160 Newport Center Drive, approximately 99 feet south of the Project site. Receptor R4 is placed at the building façade.

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."

EXHIBIT C: SENSITIVE RECEPTOR LOCATIONS

LEGEND:

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Receptor Locations

Distance from receptor to Project site boundary (in feet)

The SCAQMD recommends that the nearest sensitive receptor be considered when determining the Project's potential to cause an individual or a cumulatively significant impact. The nearest land use where an individual could remain for 24 hours to the Project site has been used to determine localized construction and operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$ (since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time). The nearest receptor used for evaluation of localized impacts of PM_{10} and $PM_{2.5}$ is represented by location R1 which represents the existing residence at 1110 Granville Drive, 746 feet/227 meters from the Project site. For purposes of analysis, the 227-meter distance will be used for evaluation of localized PM_{10} and $PM_{2.5}$ emission impacts.

As previously stated, and consistent with *LST Methodology*, the nearest industrial/commercial use to the Project site is used to determine construction and operational LST air impacts for emissions of NO_X and CO as the averaging periods for these pollutants are shorter (8 hours or less) and it is reasonable to assume that an individual could be present at these sites for periods of one (1) to eight (8) hours. Thus, the nearest receptor used for evaluation of localized impacts of NO_X and CO is represented by location R4, which represents the existing offices at 160 Newport Center Drive, located 99 feet/30 meters from the Project site. As such, the 30-meter distance will be used for evaluation of localized NO_X and CO emission impacts.

Table 9 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. As shown in Table 9, emissions resulting from the Project construction will not exceed the numerical thresholds of significance established by the SCAQMD for any criteria pollutant. Thus, a less than significant impact would occur for localized Project-related construction-source emissions and no mitigation is required.

TABLE 9: PROJECT LOCALIZED SIGNIFICANCE SUMMARY OF CONSTRUCTION (1 OF 2)

On-Site Emissions	Emissions (lbs/day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Demolition				
Maximum Daily Emissions	**26.73**	**23.71**	**1.26**	**1.16**
SCAQMD Localized Threshold	92	665	61	27
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**
Crushing				
Maximum Daily Emissions	**26.73**	**23.71**	**4.00**	**2.49**
SCAQMD Localized Threshold	92	665	61	27
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**

TABLE 9: PROJECT LOCALIZED SIGNIFICANCE SUMMARY OF CONSTRUCTION (1 OF 2)

On-Site Emissions	Emissions (lbs/day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Grading				
Maximum Daily Emissions	**26.73**	**23.71**	**4.05**	**2.50**
SCAQMD Localized Threshold	92	665	61	27
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**

LOCALIZED OPERATIONAL EMISSIONS SUMMARY

The development of the proposed project is located on 1.26 acres. According to SCAQMD LST methodology, LSTs would apply to the operational phase of a proposed project, if the project includes stationary sources, or attracts mobile sources that may spend long periods queuing and idling at the site (e.g., transfer facilities and warehouse buildings). The proposed project does not include such uses, and thus, due to the lack of significant stationary source emissions, no long-term localized significance threshold analysis is needed.

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 (8).

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 10.

TABLE 10: 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 (9). 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 (10).

Traffic volumes generating the CO concentrations for the "hot spot" analysis, shown on Table 11. 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).[3] At buildout of the Project, the highest daily traffic volumes generated at the roadways within the vicinity of the Project are expected

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

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 11: 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

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 (11). 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 (12). 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) (13). 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 would result.

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 Newport Beach General Plan is considered to be consistent with the AQMP.

Construction Impacts – Consistency Criterion 2

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

Operational Impacts – Consistency Criterion 2

The City of Newport Beach is currently in the processes of updating its General Plan. Based on the current General Plan, the Project site is designated for Regional Commercial Office (CO-R) uses. The CO-R designation is intended to provide for administrative and professional offices that serve local and regional markets, with limited accessory retail, financial, service, and entertainment uses (14).

Although the Project, which proposes the development of up to 28 condominium units is not consistent with the City's land use designation, the Project would generate less vehicular traffic and consequently fewer emissions than if the Project site were developed consistent with its CO-R designation. The Project also will generate less vehicular traffic and consequently fewer emissions associated with the site's operation than if the Project site remained in its existing operational use as a car wash with ancillary gas station and convenience market.

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 is a residential land use and residential uses are not 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 (15).

CUMULATIVE IMPACTS

The CAAQS designate the Project site's area as nonattainment for O_3 PM_{10}, and $PM_{2.5}$ while the NAAQS designates the Project site's area 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* (16). 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.

Criterion 1; Regional Analysis

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.

Criterion 2; List Approach

A list approach is used, in accordance with Section 15130(b) of the CEQA Guidelines, which states the following:

> *The following elements are necessary to an adequate discussion of significant cumulative impacts: 1) Either: (A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or (B) A summary of projections contained in an adopted general plan or related planning document, or in a prior environmental document which has been adopted or certified, which described or evaluated regional or area wide conditions contributing to the cumulative impact.*

The SCAQMD has recognized that there is typically insufficient information to quantitatively evaluate the cumulative contributions of multiple projects because each Project Applicant has no control over nearby projects. Nevertheless, the potential cumulative impacts from the Project and other projects are discussed below. A cumulative project list was developed for this analysis is shown in Attachment B and posted on the City's website (17).

Related projects could contribute to an existing or projected air quality exceedance because the Basin is currently nonattainment for ozone, PM_{10}, and $PM_{2.5}$. With regard to determining the significance of the contribution from the Project, the SCAQMD recommends that any given project's potential contribution to cumulative impacts should be assessed using the same significance criteria as for project-specific impacts. 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 commutatively considerable increase in emissions for those pollutants for which the SCAB is in nonattainment, and, therefore, would not be considered to have a significant,

adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable. As previously noted, the Project will not exceed the applicable SCAQMD regional threshold for construction and operational-source emissions. As such, the Project will not result in a cumulatively significant impact.

PROJECT GREENHOUSE GAS ANALYSIS

GREENHOUSE GAS EMISSIONS THRESHOLDS

According to the CEQA Guidelines Appendix G thresholds, to determine whether impacts from GHG emissions are significant. Would the project:

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

The evaluation of an impact under CEQA requires measuring data from a project against both existing conditions and a "threshold of significance." With regard to establishing a significance threshold, the California Office of Planning and Research's amendments to the CEQA Guidelines Section 15064.7(c) state that "[w]hen adopting thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence."

CEQA Guidelines Section 15064.4(a) further states, "…A lead agency shall have discretion to determine, in the context of a particular project, whether to: (1) Use a model or methodology to quantify GHG emissions resulting from a project, and which model or methodology to use …; or (2) Rely on a qualitative analysis or performance based standards."

PROJECT GREENHOUSE GAS EMISSIONS

The City of Newport Beach 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 Newport Beach and numerous agencies in the SCAB.

GHG emissions impacts were modeled employing the CalEEMod 2016.3.2. Outputs from the model runs are provided in Attachments A. As shown on Table 12, the Project's proposed residential land use would generate a total of approximately 357.28 $MTCO_2e$ per year; the proposed Project would not exceed the SCAQMD/City's screening threshold of 3,000 $MTCO_2e$/yr. Thus, the Project would not have the potential to result in a cumulatively considerable impact with respect to GHG emissions. As such, a less than significant impact is expected.

TABLE 12: PROJECT GHG EMISSIONS

Emission Source	Emissions (MT/yr)			
	CO_2	CH_4	N_2O	Total CO_2e
Annual construction-related emissions amortized over 30 years	41.67	0.01	0.00	41.91
Area Source	7.20	5.90E-04	1.20E-04	7.25
Energy Source	115.68	4.50E-03	1.11E-03	116.12
Mobile Source (Passenger Car)	171.11	0.01	0.00	171.36
Mobile Source (Truck)	2.61	0.15	0.00	6.48
On-Site Equipment	12.22	0.06	1.50E-03	14.16
Waste	41.67	0.01	0.00	41.91
Water Usage	7.20	5.90E-04	1.20E-04	7.25
Total CO_2e (All Sources)	**357.28**			

MT/yr = metric tons per year

Pursuant to CEQA Guidelines Section 15604.4, a lead agency may rely on qualitative analysis or performance-based standards to determine the significance of impacts from GHG emissions (18). As such, the Project's consistency with SB 32 (2017 Scoping Plan), is discussed below. It should be noted that the Project's consistency with the 2017 Scoping Plan also satisfies consistency with AB 32 since the 2017 Scoping Plan is based on the overall targets established by AB 32. Consistency with the 2008 Scoping Plan is not necessary, since the target year for the 2008 Scoping Plan was 2020, and the Project's buildout year is 2023. As such the 2008 Scoping Plan does not apply and consistency with the 2017 Scoping Plan is relevant.

SB 32/2017 Scoping Plan Consistency

The Project would not conflict with any of the 2017 Scoping Plan elements as any regulations adopted would apply directly or indirectly to the Project. Further, recent studies show that the State's existing and proposed regulatory framework will allow the State to reduce its GHG emissions level to 40% below 1990 levels by 2030 (19).

City of Newport Energy Action Plan Consistency

The City's Energy Action Plan (EAP) is not directly applicable to the proposed Project because the goals and policies in the plan are focused on energy efficiency and sustainability of City facilities. However, because the Project is required to comply CALGreen and Title 24 standards, the Project would not conflict with the community-wide energy use goals of the EAP.

If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

Respectfully submitted,

URBAN CROSSROADS, INC.

Haseeb Qureshi,
Associate Principal

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ATTACHMENT A

PROJECT CALEEMOD EMISSIONS MODEL OUTPUTS

Residences at Newport Center (Unmitigated)

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	81.00	Space	0.00	71,456.00	0
Other Asphalt Surfaces	11.35	1000sqft	0.26	11,346.00	0
Other Non-Asphalt Surfaces	16.60	1000sqft	0.00	16,597.00	0
Apartments Mid Rise	28.00	Dwelling Unit	1.00	85,236.00	80

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
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 - Total Project Area is 1.26 acres.

Construction Phase - Construction Schedule based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Demolition -

Grading - For purposes of analysis, it is assumed that 1 acre will be disturbed per day.

Architectural Coating - Rule 1113

Vehicle Trips - Trip Rates based on information provided in the Residences at Newport Center Trip Generation Assessment by Urban Crossroads, Inc.

Woodstoves - Rule 445

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses and 53% less energy for residential uses

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
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	2.00	70.00
tblConstructionPhase	NumDays	4.00	30.00
tblConstructionPhase	NumDays	10.00	170.00

Residences at Newport Center (Unmitigated) - Orange County, Summer

tblConstructionPhase	NumDays	200.00	125.00
tblConstructionPhase	NumDays	10.00	50.00
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tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	T24E	179.76	84.49
tblEnergyUse	T24E	3.92	1.75
tblEnergyUse	T24NG	5,911.46	2,778.39
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tblFireplaces	NumberWood	1.40	0.00
tblGrading	AcresOfGrading	0.00	30.00
tblGrading	AcresOfGrading	0.00	70.00
tblGrading	MaterialExported	0.00	33,000.00
tblLandUse	LandUseSquareFeet	32,400.00	71,456.00
tblLandUse	LandUseSquareFeet	28,000.00	85,236.00
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tblVehicleEF	HHD	0.44	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.10	5.99
tblVehicleEF	HHD	1.26	0.62
tblVehicleEF	HHD	3.98	0.01
tblVehicleEF	HHD	4,102.50	1,016.72
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.84	5.09
tblVehicleEF	HHD	1.73	2.31
tblVehicleEF	HHD	19.08	2.48
tblVehicleEF	HHD	0.01	2.6890e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	9.6890e-003	2.5720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
tblVehicleEF	HHD	4.8480e-003	1.8300e-004
tblVehicleEF	HHD	0.34	0.43
tblVehicleEF	HHD	1.2200e-004	4.0000e-006

tblVehicleEF	HHD	0.08	0.03
tblVehicleEF	HHD	4.0800e-004	8.0800e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.04	9.2880e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
tblVehicleEF	HHD	4.8480e-003	1.8300e-004
tblVehicleEF	HHD	0.42	0.50
tblVehicleEF	HHD	1.2200e-004	4.0000e-006
tblVehicleEF	HHD	0.26	0.17
tblVehicleEF	HHD	4.0800e-004	8.0800e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.51	0.02
tblVehicleEF	HHD	0.16	8.8300e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	2.08	6.02
tblVehicleEF	HHD	1.25	0.21
tblVehicleEF	HHD	4.22	0.01
tblVehicleEF	HHD	3,554.73	1,009.39
tblVehicleEF	HHD	1,597.37	1,291.30
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	12.81	5.42
tblVehicleEF	HHD	1.80	2.33
tblVehicleEF	HHD	19.10	2.48
tblVehicleEF	HHD	0.01	3.2800e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	3.1380e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	8.6700e-003	8.4900e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.1300e-004	4.0000e-006
tblVehicleEF	HHD	5.0850e-003	2.0000e-004
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.03	9.5360e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1300e-004	4.0000e-006
tblVehicleEF	HHD	5.0850e-003	2.0000e-004
tblVehicleEF	HHD	0.48	0.42
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.10	5.0000e-006
tblVehicleEF	LDA	3.5840e-003	2.0520e-003
tblVehicleEF	LDA	3.9920e-003	0.04

tblVehicleEF	LDA	0.52	0.59
tblVehicleEF	LDA	0.92	1.99
tblVehicleEF	LDA	242.31	252.48
tblVehicleEF	LDA	53.99	51.65
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.16
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	9.0380e-003	7.5940e-003
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.4260e-003	2.4670e-003
tblVehicleEF	LDA	5.5500e-004	5.0500e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDA	3.7860e-003	2.1850e-003
tblVehicleEF	LDA	3.5910e-003	0.04
tblVehicleEF	LDA	0.56	0.64

tblVehicleEF	LDA	0.80	1.72
tblVehicleEF	LDA	252.48	262.80
tblVehicleEF	LDA	53.99	51.15
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	9.5380e-003	8.0160e-003
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.5280e-003	2.5680e-003
tblVehicleEF	LDA	5.5300e-004	5.0000e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	3.5150e-003	2.0100e-003
tblVehicleEF	LDA	4.0740e-003	0.04
tblVehicleEF	LDA	0.50	0.57
tblVehicleEF	LDA	0.95	2.05

tblVehicleEF	LDA	238.56	248.67
tblVehicleEF	LDA	53.99	51.76
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	8.8680e-003	7.4510e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.3880e-003	2.4300e-003
tblVehicleEF	LDA	5.5600e-004	5.0600e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	8.0440e-003	4.7360e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.00	1.03
tblVehicleEF	LDT1	2.24	2.17
tblVehicleEF	LDT1	303.32	299.88

tblVehicleEF	LDT1	67.98	62.37
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	3.0440e-003	2.9310e-003
tblVehicleEF	LDT1	7.1900e-004	6.1000e-004
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	8.4500e-003	5.0090e-003
tblVehicleEF	LDT1	9.9950e-003	0.06
tblVehicleEF	LDT1	1.08	1.11
tblVehicleEF	LDT1	1.93	1.87
tblVehicleEF	LDT1	315.58	310.45
tblVehicleEF	LDT1	67.98	61.79

tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.12	0.21
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.13	0.27
tblVehicleEF	LDT1	3.1680e-003	3.0340e-003
tblVehicleEF	LDT1	7.1300e-004	6.0400e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	7.9040e-003	4.6490e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	0.97	0.99
tblVehicleEF	LDT1	2.30	2.23
tblVehicleEF	LDT1	298.79	295.97
tblVehicleEF	LDT1	67.98	62.50
tblVehicleEF	LDT1	0.09	0.07

tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	2.9980e-003	2.8920e-003
tblVehicleEF	LDT1	7.2000e-004	6.1100e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33
tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
tblVehicleEF	LDT2	5.3310e-003	0.06
tblVehicleEF	LDT2	0.67	0.79
tblVehicleEF	LDT2	1.19	2.52
tblVehicleEF	LDT2	342.73	321.50
tblVehicleEF	LDT2	76.37	67.32
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.24

tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.04	0.07
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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
tblVehicleEF	LDT2	1.03	2.18
tblVehicleEF	LDT2	356.77	331.76
tblVehicleEF	LDT2	76.37	66.67
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003

tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
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tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
tblVehicleEF	LDT2	337.54	317.72
tblVehicleEF	LDT2	76.37	67.46
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003

tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
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tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65

tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003

tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005

tblVehicleEF	LHD1	5.7620e-003	6.2800e-003
tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003

tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
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tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
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tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28

tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
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tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
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tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05

tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
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tblVehicleEF	LHD2	0.61	0.70
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.1000e-005
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
tblVehicleEF	LHD2	3.3030e-003	3.0590e-003
tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
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tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003

tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
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tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
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tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
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tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43

tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76
tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68

tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
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tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09

tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
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tblVehicleEF	MCY	2.0720e-003	2.0560e-003
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tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
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tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	398.17
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tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30

tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	408.87
tblVehicleEF	MDV	101.87	81.18
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003

tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
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tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
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tblVehicleEF	MDV	1.01	0.87
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tblVehicleEF	MDV	101.87	82.09
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003

tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
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tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
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tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00

tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
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tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09

tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.08	1.21
tblVehicleEF	MHD	141.00	53.16
tblVehicleEF	MHD	1,129.46	1,011.60

tblVehicleEF	MHD	58.21	12.50
tblVehicleEF	MHD	0.36	0.25
tblVehicleEF	MHD	0.69	0.95
tblVehicleEF	MHD	10.82	1.53
tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	7.2000e-005	1.8900e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06

tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003

tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
tblVehicleEF	MHD	129.46	53.18
tblVehicleEF	MHD	1,129.46	1,011.60
tblVehicleEF	MHD	58.21	12.52
tblVehicleEF	MHD	0.34	0.26
tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004

tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97

tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.43	0.62
tblVehicleEF	OBUS	4.79	2.20
tblVehicleEF	OBUS	79.82	76.85
tblVehicleEF	OBUS	1,208.63	1,354.41
tblVehicleEF	OBUS	69.33	19.61
tblVehicleEF	OBUS	0.16	0.28
tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.33	0.12
tblVehicleEF	OBUS	0.01	8.5930e-003
tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56
tblVehicleEF	OBUS	0.43	0.60
tblVehicleEF	OBUS	5.09	2.34
tblVehicleEF	OBUS	71.43	78.88
tblVehicleEF	OBUS	1,208.63	1,354.38
tblVehicleEF	OBUS	69.33	19.85
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tblVehicleEF	OBUS	0.54	0.96
tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
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tblVehicleEF	OBUS	0.04	0.24
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tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
tblVehicleEF	SBUS	1.03	0.90
tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
tblVehicleEF	SBUS	8.42	3.59
tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
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tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12
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tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
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tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
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tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	7.0990e-003
tblVehicleEF	SBUS	8.27	3.12

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tblVehicleEF	SBUS	7.41	0.90
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tblVehicleEF	SBUS	1,073.61	1,094.80
tblVehicleEF	SBUS	56.82	6.07
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tblVehicleEF	SBUS	3.69	5.19
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tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003

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tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
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tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003
tblVehicleEF	SBUS	0.08	8.0150e-003
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tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003

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tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
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tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
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tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
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tblVehicleEF	UBUS	1,803.73	2,036.06
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tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003

tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
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tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
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tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	41.13
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	2,036.06
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tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
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tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
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tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
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tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
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tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
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tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
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tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	41.13
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	2,036.05

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tblVehicleEF	UBUS	3.86	0.44
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
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tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	0.08
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	5.39
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	1.04	0.11
tblVehicleTrips	ST_TR	6.39	4.91
tblVehicleTrips	SU_TR	5.86	4.09

tblVehicleTrips	WD_TR	6.65	5.43
tblWoodstoves	NumberCatalytic	1.40	0.00
tblWoodstoves	NumberNoncatalytic	1.40	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					
2022	3.9276	58.8961	34.0725	0.1588	9.8802	1.3386	11.2188	4.1730	1.2463	5.4192	0.0000	16,893.8243	16,893.8243	2.7542	0.0000	16,962.6802
2023	16.5158	44.5793	50.9291	0.1084	0.9485	2.0858	3.0344	0.2543	1.9661	2.2204	0.0000	10,498.4788	10,498.4788	2.3571	0.0000	10,557.4064
Maximum	**16.5158**	**58.8961**	**50.9291**	**0.1588**	**9.8802**	**2.0858**	**11.2188**	**4.1730**	**1.9661**	**5.4192**	**0.0000**	**16,893.8243**	**16,893.8243**	**2.7542**	**0.0000**	**16,962.6802**

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					
2022	3.9276	58.8961	34.0725	0.1588	5.4840	1.3386	6.8226	2.0724	1.2463	3.3186	0.0000	16,893.8243	16,893.8243	2.7542	0.0000	16,962.6802
2023	16.5158	44.5793	50.9291	0.1084	0.9485	2.0858	3.0344	0.2543	1.9661	2.2204	0.0000	10,498.4788	10,498.4788	2.3571	0.0000	10,557.4064
Maximum	**16.5158**	**58.8961**	**50.9291**	**0.1588**	**5.4840**	**2.0858**	**6.8226**	**2.0724**	**1.9661**	**3.3186**	**0.0000**	**16,893.8243**	**16,893.8243**	**2.7542**	**0.0000**	**16,962.6802**

	ROG	**NOx**	**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**	**40.60**	**0.00**	**30.84**	**47.45**	**0.00**	**27.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0016	0.4912	2.5193	3.0900e-003		0.0504	0.0504		0.0504	0.0504	0.0000	597.1245	597.1245	0.0154	0.0109	600.7496
Energy	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
Mobile	0.3192	0.5198	3.4113	0.0108	1.0999	7.3700e-003	1.1073	0.2938	6.8700e-003	0.3007		1,120.8007	1,120.8007	0.0628		1,122.3697
Total	**2.3276**	**1.0697**	**5.9556**	**0.0142**	**1.0999**	**0.0625**	**1.1624**	**0.2938**	**0.0620**	**0.3558**	**0.0000**	**1,792.7818**	**1,792.7818**	**0.0796**	**0.0122**	**1,798.4208**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0016	0.4912	2.5193	3.0900e-003		0.0504	0.0504		0.0504	0.0504	0.0000	597.1245	597.1245	0.0154	0.0109	600.7496
Energy	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
Mobile	0.3192	0.5198	3.4113	0.0108	1.0999	7.3700e-003	1.1073	0.2938	6.8700e-003	0.3007		1,120.8007	1,120.8007	0.0628		1,122.3697
Total	**2.3276**	**1.0697**	**5.9556**	**0.0142**	**1.0999**	**0.0625**	**1.1624**	**0.2938**	**0.0620**	**0.3558**	**0.0000**	**1,792.7818**	**1,792.7818**	**0.0796**	**0.0122**	**1,798.4208**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	3/21/2022	5	35	
2	Site Preparation	Site Preparation	3/22/2022	6/27/2022	5	70	
3	Grading	Grading	6/28/2022	8/8/2022	5	30	
4	Paving	Paving	8/9/2022	4/3/2023	5	170	
5	Building Construction	Building Construction	4/4/2023	9/25/2023	5	125	
6	Architectural Coating	Architectural Coating	7/18/2023	9/25/2023	5	50	

Acres of Grading (Site Preparation Phase): 70

Acres of Grading (Grading Phase): 30

Acres of Paving: 0.26

Residential Indoor: 172,603; Residential Outdoor: 57,534; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,964 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Bore/Drill Rigs	1	8.00	221	0.50
Demolition	Cement and Mortar Mixers	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73

Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Other Construction Equipment	1	8.00	172	0.42
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Air Compressors	1	8.00	78	0.48
Site Preparation	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Cement and Mortar Mixers	1	8.00	9	0.56
Site Preparation	Dumpers/Tenders	1	8.00	16	0.38
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Other Construction Equipment	1	8.00	172	0.42
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Air Compressors	1	8.00	78	0.48
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Cement and Mortar Mixers	1	8.00	9	0.56
Grading	Dumpers/Tenders	1	8.00	16	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	402	0.38

Grading	Other Construction Equipment	1	8.00	172	0.42
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Bore/Drill Rigs	1	8.00	221	0.50
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Cranes	1	8.00	231	0.29
Paving	Off-Highway Trucks	1	8.00	402	0.38
Paving	Pavers	0	6.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Other Construction Equipment	4	8.00	172	0.42
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	8.00	9	0.56
Architectural Coating	Concrete/Industrial Saws	2	8.00	81	0.73
Architectural Coating	Off-Highway Trucks	1	8.00	402	0.38
Architectural Coating	Other Construction Equipment	2	8.00	172	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	25.00	0.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	4,125.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	62.00	19.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	7	12.00	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 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0489	0.0000	0.0489	7.4100e-003	0.0000	7.4100e-003			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538		5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**0.0489**	**1.2419**	**1.2908**	**7.4100e-003**	**1.1538**	**1.1612**		**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5600e-003	0.0534	0.0161	1.7000e-004	3.9800e-003	1.6000e-004	4.1400e-003	1.0900e-003	1.5000e-004	1.2400e-003		19.0062	19.0062	1.9700e-003		19.0555
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	0.0853	0.0495	0.7087	2.5400e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		253.3003	253.3003	5.1200e-003		253.4282
Total	**0.0868**	**0.1029**	**0.7247**	**2.7100e-003**	**0.2834**	**1.9300e-003**	**0.2854**	**0.0752**	**1.7800e-003**	**0.0770**		**272.3065**	**272.3065**	**7.0900e-003**		**272.4837**

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					0.0191	0.0000	0.0191	2.8900e-003	0.0000	2.8900e-003			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538	0.0000	5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**0.0191**	**1.2419**	**1.2610**	**2.8900e-003**	**1.1538**	**1.1567**	**0.0000**	**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5600e-003	0.0534	0.0161	1.7000e-004	3.9800e-003	1.6000e-004	4.1400e-003	1.0900e-003	1.5000e-004	1.2400e-003		19.0062	19.0062	1.9700e-003		19.0555
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	0.0853	0.0495	0.7087	2.5400e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		253.3003	253.3003	5.1200e-003		253.4282
Total	**0.0868**	**0.1029**	**0.7247**	**2.7100e-003**	**0.2834**	**1.9300e-003**	**0.2854**	**0.0752**	**1.7800e-003**	**0.0770**		**272.3065**	**272.3065**	**7.0900e-003**		**272.4837**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538		5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**7.0826**	**1.2419**	**8.3245**	**3.4247**	**1.1538**	**4.5786**		**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0853	0.0495	0.7087	2.5400e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		253.3003	253.3003	5.1200e-003		253.4282
Total	**0.0853**	**0.0495**	**0.7087**	**2.5400e-003**	**0.2794**	**1.7700e-003**	**0.2812**	**0.0741**	**1.6300e-003**	**0.0757**		**253.3003**	**253.3003**	**5.1200e-003**		**253.4282**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538	0.0000	5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**2.7622**	**1.2419**	**4.0041**	**1.3357**	**1.1538**	**2.4895**	**0.0000**	**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0853	0.0495	0.7087	2.5400e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		253.3003	253.3003	5.1200e-003		253.4282
Total	**0.0853**	**0.0495**	**0.7087**	**2.5400e-003**	**0.2794**	**1.7700e-003**	**0.2812**	**0.0741**	**1.6300e-003**	**0.0757**		**253.3003**	**253.3003**	**5.1200e-003**		**253.4282**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2070	0.0000	7.2070	3.4436	0.0000	3.4436			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538		5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**7.2070**	**1.2419**	**8.4489**	**3.4436**	**1.1538**	**4.5974**		**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9400	32.1188	9.6532	0.1021	2.3938	0.0949	2.4887	0.6553	0.0908	0.7461		11,433.3974	11,433.3974	1.1862		11,463.0531
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	0.0853	0.0495	0.7087	2.5400e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		253.3003	253.3003	5.1200e-003		253.4282
Total	**1.0253**	**32.1682**	**10.3619**	**0.1047**	**2.6732**	**0.0967**	**2.7699**	**0.7294**	**0.0924**	**0.8218**		**11,686.6977**	**11,686.6977**	**1.1914**		**11,716.4813**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8107	0.0000	2.8107	1.3430	0.0000	1.3430			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538	0.0000	5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**2.8107**	**1.2419**	**4.0526**	**1.3430**	**1.1538**	**2.4968**	**0.0000**	**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9400	32.1188	9.6532	0.1021	2.3938	0.0949	2.4887	0.6553	0.0908	0.7461		11,433.3974	11,433.3974	1.1862		11,463.0531
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	0.0853	0.0495	0.7087	2.5400e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		253.3003	253.3003	5.1200e-003		253.4282
Total	**1.0253**	**32.1682**	**10.3619**	**0.1047**	**2.6732**	**0.0967**	**2.7699**	**0.7294**	**0.0924**	**0.8218**		**11,686.6977**	**11,686.6977**	**1.1914**		**11,716.4813**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3490	12.5082	9.8386	0.0323		0.4969	0.4969		0.4583	0.4583		3,103.1317	3,103.1317	0.9925		3,127.9448
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3530**	**12.5082**	**9.8386**	**0.0323**		**0.4969**	**0.4969**		**0.4583**	**0.4583**		**3,103.1317**	**3,103.1317**	**0.9925**		**3,127.9448**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	**0.0443**	**0.0257**	**0.3685**	**1.3200e-003**	**0.1453**	**9.2000e-004**	**0.1462**	**0.0385**	**8.5000e-004**	**0.0394**		**131.7162**	**131.7162**	**2.6600e-003**		**131.7827**

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	1.3490	12.5082	9.8386	0.0323		0.4969	0.4969		0.4583	0.4583	0.0000	3,103.1317	3,103.1317	0.9925		3,127.9448
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3530**	**12.5082**	**9.8386**	**0.0323**		**0.4969**	**0.4969**		**0.4583**	**0.4583**	**0.0000**	**3,103.1317**	**3,103.1317**	**0.9925**		**3,127.9448**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0443	0.0257	0.3685	1.3200e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		131.7162	131.7162	2.6600e-003		131.7827
Total	**0.0443**	**0.0257**	**0.3685**	**1.3200e-003**	**0.1453**	**9.2000e-004**	**0.1462**	**0.0385**	**8.5000e-004**	**0.0394**		**131.7162**	**131.7162**	**2.6600e-003**		**131.7827**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2805	11.3269	9.6955	0.0323		0.4445	0.4445		0.4101	0.4101		3,106.2038	3,106.2038	0.9935		3,131.0417
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2845**	**11.3269**	**9.6955**	**0.0323**		**0.4445**	**0.4445**		**0.4101**	**0.4101**		**3,106.2038**	**3,106.2038**	**0.9935**		**3,131.0417**

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	**0.0420**	**0.0234**	**0.3437**	**1.2700e-003**	**0.1453**	**9.1000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**126.6524**	**126.6524**	**2.4100e-003**		**126.7128**

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	1.2805	11.3269	9.6955	0.0323		0.4445	0.4445		0.4101	0.4101	0.0000	3,106.2038	3,106.2038	0.9935		3,131.0417
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2845**	**11.3269**	**9.6955**	**0.0323**		**0.4445**	**0.4445**		**0.4101**	**0.4101**	**0.0000**	**3,106.2038**	**3,106.2038**	**0.9935**		**3,131.0417**

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0420	0.0234	0.3437	1.2700e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		126.6524	126.6524	2.4100e-003		126.7128
Total	**0.0420**	**0.0234**	**0.3437**	**1.2700e-003**	**0.1453**	**9.1000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**126.6524**	**126.6524**	**2.4100e-003**		**126.7128**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8383	25.4561	27.2055	0.0539		1.2269	1.2269		1.1466	1.1466		5,199.6842	5,199.6842	1.4203		5,235.1913
Total	**2.8383**	**25.4561**	**27.2055**	**0.0539**		**1.2269**	**1.2269**		**1.1466**	**1.1466**		**5,199.6842**	**5,199.6842**	**1.4203**		**5,235.1913**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0363	1.2728	0.4357	4.4800e-003	0.1214	1.5300e-003	0.1229	0.0349	1.4600e-003	0.0364		490.3265	490.3265	0.0361		491.2280
Worker	0.2003	0.1114	1.6391	6.0600e-003	0.6930	4.3200e-003	0.6973	0.1838	3.9800e-003	0.1878		604.0347	604.0347	0.0115		604.3224
Total	**0.2366**	**1.3842**	**2.0747**	**0.0105**	**0.8144**	**5.8500e-003**	**0.8203**	**0.2187**	**5.4400e-003**	**0.2242**		**1,094.3611**	**1,094.3611**	**0.0476**		**1,095.5504**

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	2.8383	25.4561	27.2055	0.0539		1.2269	1.2269		1.1466	1.1466	0.0000	5,199.6842	5,199.6842	1.4203		5,235.1913
Total	**2.8383**	**25.4561**	**27.2055**	**0.0539**		**1.2269**	**1.2269**		**1.1466**	**1.1466**	**0.0000**	**5,199.6842**	**5,199.6842**	**1.4203**		**5,235.1913**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0363	1.2728	0.4357	4.4800e-003	0.1214	1.5300e-003	0.1229	0.0349	1.4600e-003	0.0364		490.3265	490.3265	0.0361		491.2280
Worker	0.2003	0.1114	1.6391	6.0600e-003	0.6930	4.3200e-003	0.6973	0.1838	3.9800e-003	0.1878		604.0347	604.0347	0.0115		604.3224
Total	**0.2366**	**1.3842**	**2.0747**	**0.0105**	**0.8144**	**5.8500e-003**	**0.8203**	**0.2187**	**5.4400e-003**	**0.2242**		**1,094.3611**	**1,094.3611**	**0.0476**		**1,095.5504**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1825	17.7174	21.3316	0.0428		0.8522	0.8522		0.8133	0.8133		4,087.5236	4,087.5236	0.8870		4,109.6990
Total	**13.4022**	**17.7174**	**21.3316**	**0.0428**		**0.8522**	**0.8522**		**0.8133**	**0.8133**		**4,087.5236**	**4,087.5236**	**0.8870**		**4,109.6990**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0388	0.0216	0.3172	1.1700e-003	0.1341	8.4000e-004	0.1350	0.0356	7.7000e-004	0.0363		116.9099	116.9099	2.2300e-003		116.9656
Total	**0.0388**	**0.0216**	**0.3172**	**1.1700e-003**	**0.1341**	**8.4000e-004**	**0.1350**	**0.0356**	**7.7000e-004**	**0.0363**		**116.9099**	**116.9099**	**2.2300e-003**		**116.9656**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1825	17.7174	21.3316	0.0428		0.8522	0.8522		0.8133	0.8133	0.0000	4,087.5236	4,087.5236	0.8870		4,109.6990
Total	**13.4022**	**17.7174**	**21.3316**	**0.0428**		**0.8522**	**0.8522**		**0.8133**	**0.8133**	**0.0000**	**4,087.5236**	**4,087.5236**	**0.8870**		**4,109.6990**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0388	0.0216	0.3172	1.1700e-003	0.1341	8.4000e-004	0.1350	0.0356	7.7000e-004	0.0363		116.9099	116.9099	2.2300e-003		116.9656
Total	**0.0388**	**0.0216**	**0.3172**	**1.1700e-003**	**0.1341**	**8.4000e-004**	**0.1350**	**0.0356**	**7.7000e-004**	**0.0363**		**116.9099**	**116.9099**	**2.2300e-003**		**116.9656**

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	0.3192	0.5198	3.4113	0.0108	1.0999	7.3700e-003	1.1073	0.2938	6.8700e-003	0.3007		1,120.8007	1,120.8007	0.0628		1,122.3697
Unmitigated	0.3192	0.5198	3.4113	0.0108	1.0999	7.3700e-003	1.1073	0.2938	6.8700e-003	0.3007		1,120.8007	1,120.8007	0.0628		1,122.3697

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	152.00	137.48	114.52	494,024	494,024
Enclosed Parking with Elevator	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		
Total	152.00	137.48	114.52	494,024	494,024

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 Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Enclosed Parking with Elevator	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

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	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
NaturalGas Unmitigated	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015

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 Mid Rise	636.282	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
Enclosed Parking with Elevator	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
Total		**6.8600e-003**	**0.0586**	**0.0250**	**3.7000e-004**		**4.7400e-003**	**4.7400e-003**		**4.7400e-003**	**4.7400e-003**		**74.8567**	**74.8567**	**1.4300e-003**	**1.3700e-003**	**75.3015**

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 Mid Rise	0.636282	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
Enclosed Parking with Elevator	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
Total		**6.8600e-003**	**0.0586**	**0.0250**	**3.7000e-004**		**4.7400e-003**	**4.7400e-003**		**4.7400e-003**	**4.7400e-003**		**74.8567**	**74.8567**	**1.4300e-003**	**1.3700e-003**	**75.3015**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0016	0.4912	2.5193	3.0900e-003		0.0504	0.0504		0.0504	0.0504	0.0000	597.1245	597.1245	0.0154	0.0109	600.7496
Unmitigated	2.0016	0.4912	2.5193	3.0900e-003		0.0504	0.0504		0.0504	0.0504	0.0000	597.1245	597.1245	0.0154	0.0109	600.7496

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	0.1537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0544	0.4645	0.1977	2.9600e-003		0.0376	0.0376		0.0376	0.0376	0.0000	592.9412	592.9412	0.0114	0.0109	596.4647
Landscaping	0.0706	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128		4.1833	4.1833	4.0600e-003		4.2849
Total	**2.0016**	**0.4912**	**2.5193**	**3.0800e-003**		**0.0504**	**0.0504**		**0.0504**	**0.0504**	**0.0000**	**597.1245**	**597.1245**	**0.0154**	**0.0109**	**600.7496**

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	0.1537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0544	0.4645	0.1977	2.9600e-003		0.0376	0.0376		0.0376	0.0376	0.0000	592.9412	592.9412	0.0114	0.0109	596.4647
Landscaping	0.0706	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128		4.1833	4.1833	4.0600e-003		4.2849
Total	**2.0016**	**0.4912**	**2.5193**	**3.0800e-003**		**0.0504**	**0.0504**		**0.0504**	**0.0504**	**0.0000**	**597.1245**	**597.1245**	**0.0154**	**0.0109**	**600.7496**

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

Residences at Newport Center (Unmitigated)

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	81.00	Space	0.00	71,456.00	0
Other Asphalt Surfaces	11.35	1000sqft	0.26	11,346.00	0
Other Non-Asphalt Surfaces	16.60	1000sqft	0.00	16,597.00	0
Apartments Mid Rise	28.00	Dwelling Unit	1.00	85,236.00	80

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
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 - Total Project Area is 1.26 acres.

Construction Phase - Construction Schedule based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Demolition -

Grading - For purposes of analysis, it is assumed that 1 acre will be disturbed per day.

Architectural Coating - Rule 1113

Vehicle Trips - Trip Rates based on information provided in the Residences at Newport Center Trip Generation Assessment by Urban Crossroads, Inc.

Woodstoves - Rule 445

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses and 53% less energy for residential uses

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
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	2.00	70.00
tblConstructionPhase	NumDays	4.00	30.00
tblConstructionPhase	NumDays	10.00	170.00

tblConstructionPhase	NumDays	200.00	125.00
tblConstructionPhase	NumDays	10.00	50.00
tblEnergyUse	LightingElect	741.44	348.48
tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	T24E	179.76	84.49
tblEnergyUse	T24E	3.92	1.75
tblEnergyUse	T24NG	5,911.46	2,778.39
tblFireplaces	NumberGas	23.80	28.00
tblFireplaces	NumberNoFireplace	2.80	0.00
tblFireplaces	NumberWood	1.40	0.00
tblGrading	AcresOfGrading	0.00	30.00
tblGrading	AcresOfGrading	0.00	70.00
tblGrading	MaterialExported	0.00	33,000.00
tblLandUse	LandUseSquareFeet	32,400.00	71,456.00
tblLandUse	LandUseSquareFeet	28,000.00	85,236.00
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tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblVehicleEF	LDA	0.95	2.05

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tblVehicleEF	LDA	53.99	51.76
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	8.8680e-003	7.4510e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.3880e-003	2.4300e-003
tblVehicleEF	LDA	5.5600e-004	5.0600e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	8.0440e-003	4.7360e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.00	1.03
tblVehicleEF	LDT1	2.24	2.17
tblVehicleEF	LDT1	303.32	299.88

tblVehicleEF	LDT1	67.98	62.37
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	3.0440e-003	2.9310e-003
tblVehicleEF	LDT1	7.1900e-004	6.1000e-004
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	8.4500e-003	5.0090e-003
tblVehicleEF	LDT1	9.9950e-003	0.06
tblVehicleEF	LDT1	1.08	1.11
tblVehicleEF	LDT1	1.93	1.87
tblVehicleEF	LDT1	315.58	310.45
tblVehicleEF	LDT1	67.98	61.79

tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.12	0.21
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.13	0.27
tblVehicleEF	LDT1	3.1680e-003	3.0340e-003
tblVehicleEF	LDT1	7.1300e-004	6.0400e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	7.9040e-003	4.6490e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	0.97	0.99
tblVehicleEF	LDT1	2.30	2.23
tblVehicleEF	LDT1	298.79	295.97
tblVehicleEF	LDT1	67.98	62.50
tblVehicleEF	LDT1	0.09	0.07

tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	2.9980e-003	2.8920e-003
tblVehicleEF	LDT1	7.2000e-004	6.1100e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33
tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
tblVehicleEF	LDT2	5.3310e-003	0.06
tblVehicleEF	LDT2	0.67	0.79
tblVehicleEF	LDT2	1.19	2.52
tblVehicleEF	LDT2	342.73	321.50
tblVehicleEF	LDT2	76.37	67.32
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.24

tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
tblVehicleEF	LDT2	1.03	2.18
tblVehicleEF	LDT2	356.77	331.76
tblVehicleEF	LDT2	76.37	66.67
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003

tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	3.5730e-003	3.2420e-003
tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
tblVehicleEF	LDT2	337.54	317.72
tblVehicleEF	LDT2	76.37	67.46
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003

tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65

tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003

tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005

tblVehicleEF	LHD1	5.7620e-003	6.2800e-003
tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003

tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28

tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05

tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.70
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.1000e-005
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
tblVehicleEF	LHD2	3.3030e-003	3.0590e-003
tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003

tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43

tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76
tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68

tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09

tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	398.17
tblVehicleEF	MDV	101.87	81.92
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30

tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	408.87
tblVehicleEF	MDV	101.87	81.18
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003

tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003
tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92
tblVehicleEF	MDV	460.81	394.22
tblVehicleEF	MDV	101.87	82.09
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003

tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.24	3.63
tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00

tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
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tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09

tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
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tblVehicleEF	MHD	141.00	53.16
tblVehicleEF	MHD	1,129.46	1,011.60

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tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	7.2000e-005	1.8900e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06

tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003

tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
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tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
tblVehicleEF	MHD	129.46	53.18
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tblVehicleEF	MHD	58.21	12.52
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tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004

tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97

tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.43	0.62
tblVehicleEF	OBUS	4.79	2.20
tblVehicleEF	OBUS	79.82	76.85
tblVehicleEF	OBUS	1,208.63	1,354.41
tblVehicleEF	OBUS	69.33	19.61
tblVehicleEF	OBUS	0.16	0.28
tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.33	0.12
tblVehicleEF	OBUS	0.01	8.5930e-003
tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56
tblVehicleEF	OBUS	0.43	0.60
tblVehicleEF	OBUS	5.09	2.34
tblVehicleEF	OBUS	71.43	78.88
tblVehicleEF	OBUS	1,208.63	1,354.38
tblVehicleEF	OBUS	69.33	19.85
tblVehicleEF	OBUS	0.15	0.31
tblVehicleEF	OBUS	0.54	0.96
tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.35	0.13
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
tblVehicleEF	SBUS	1.03	0.90
tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
tblVehicleEF	SBUS	8.42	3.59
tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.47	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	7.0990e-003
tblVehicleEF	SBUS	8.27	3.12

tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80
tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003

tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003
tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003

tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	41.13
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	2,036.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.44
tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003

tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	41.13
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	2,036.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.44
tblVehicleEF	UBUS	13.05	0.16

tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	41.13
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	2,036.05

tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.44
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	0.08
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	5.39
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	1.04	0.11
tblVehicleTrips	ST_TR	6.39	4.91
tblVehicleTrips	SU_TR	5.86	4.09

tblVehicleTrips	WD_TR	6.65	5.43
tblWoodstoves	NumberCatalytic	1.40	0.00
tblWoodstoves	NumberNoncatalytic	1.40	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					
2022	3.9623	59.2494	34.4711	0.1572	9.8802	1.3404	11.2206	4.1730	1.2480	5.4209	0.0000	16,705.9139	16,705.9139	2.7789	0.0000	16,775.3856
2023	16.5507	44.5850	50.8066	0.1079	0.9485	2.0859	3.0345	0.2543	1.9662	2.2205	0.0000	10,448.0425	10,448.0425	2.3578	0.0000	10,506.9883
Maximum	**16.5507**	**59.2494**	**50.8066**	**0.1572**	**9.8802**	**2.0859**	**11.2206**	**4.1730**	**1.9662**	**5.4209**	**0.0000**	**16,705.9139**	**16,705.9139**	**2.7789**	**0.0000**	**16,775.3856**

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					
2022	3.9623	59.2494	34.4711	0.1572	5.4840	1.3404	6.8243	2.0724	1.2480	3.3203	0.0000	16,705.9139	16,705.9139	2.7789	0.0000	16,775.3856
2023	16.5507	44.5850	50.8066	0.1079	0.9485	2.0859	3.0345	0.2543	1.9662	2.2205	0.0000	10,448.0425	10,448.0425	2.3578	0.0000	10,506.9883
Maximum	**16.5507**	**59.2494**	**50.8066**	**0.1572**	**5.4840**	**2.0859**	**6.8243**	**2.0724**	**1.9662**	**3.3203**	**0.0000**	**16,705.9139**	**16,705.9139**	**2.7789**	**0.0000**	**16,775.3856**

	ROG	**NOx**	**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**	**40.60**	**0.00**	**30.84**	**47.45**	**0.00**	**27.49**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0016	0.4912	2.5193	3.0900e-003		0.0504	0.0504		0.0504	0.0504	0.0000	597.1245	597.1245	0.0154	0.0109	600.7496
Energy	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
Mobile	0.3324	0.5468	3.2759	0.0104	1.0997	7.3700e-003	1.1071	0.2937	6.8700e-003	0.3006		1,074.0901	1,074.0901	0.0561		1,075.4923
Total	**2.3408**	**1.0967**	**5.8202**	**0.0138**	**1.0997**	**0.0625**	**1.1622**	**0.2937**	**0.0620**	**0.3557**	**0.0000**	**1,746.0713**	**1,746.0713**	**0.0730**	**0.0122**	**1,751.5434**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0016	0.4912	2.5193	3.0900e-003		0.0504	0.0504		0.0504	0.0504	0.0000	597.1245	597.1245	0.0154	0.0109	600.7496
Energy	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
Mobile	0.3324	0.5468	3.2759	0.0104	1.0997	7.3700e-003	1.1071	0.2937	6.8700e-003	0.3006		1,074.0901	1,074.0901	0.0561		1,075.4923
Total	**2.3408**	**1.0967**	**5.8202**	**0.0138**	**1.0997**	**0.0625**	**1.1622**	**0.2937**	**0.0620**	**0.3557**	**0.0000**	**1,746.0713**	**1,746.0713**	**0.0730**	**0.0122**	**1,751.5434**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	3/21/2022	5	35	
2	Site Preparation	Site Preparation	3/22/2022	6/27/2022	5	70	
3	Grading	Grading	6/28/2022	8/8/2022	5	30	
4	Paving	Paving	8/9/2022	4/3/2023	5	170	
5	Building Construction	Building Construction	4/4/2023	9/25/2023	5	125	
6	Architectural Coating	Architectural Coating	7/18/2023	9/25/2023	5	50	

Acres of Grading (Site Preparation Phase): 70

Acres of Grading (Grading Phase): 30

Acres of Paving: 0.26

Residential Indoor: 172,603; Residential Outdoor: 57,534; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,964 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Bore/Drill Rigs	1	8.00	221	0.50
Demolition	Cement and Mortar Mixers	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73

Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Other Construction Equipment	1	8.00	172	0.42
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Air Compressors	1	8.00	78	0.48
Site Preparation	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Cement and Mortar Mixers	1	8.00	9	0.56
Site Preparation	Dumpers/Tenders	1	8.00	16	0.38
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Other Construction Equipment	1	8.00	172	0.42
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Air Compressors	1	8.00	78	0.48
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Cement and Mortar Mixers	1	8.00	9	0.56
Grading	Dumpers/Tenders	1	8.00	16	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	402	0.38

Grading	Other Construction Equipment	1	8.00	172	0.42
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Bore/Drill Rigs	1	8.00	221	0.50
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Cranes	1	8.00	231	0.29
Paving	Off-Highway Trucks	1	8.00	402	0.38
Paving	Pavers	0	6.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Other Construction Equipment	4	8.00	172	0.42
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	8.00	9	0.56
Architectural Coating	Concrete/Industrial Saws	2	8.00	81	0.73
Architectural Coating	Off-Highway Trucks	1	8.00	402	0.38
Architectural Coating	Other Construction Equipment	2	8.00	172	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	25.00	0.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	4,125.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	62.00	19.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	7	12.00	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 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0489	0.0000	0.0489	7.4100e-003	0.0000	7.4100e-003			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538		5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**0.0489**	**1.2419**	**1.2908**	**7.4100e-003**	**1.1538**	**1.1612**		**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6000e-003	0.0540	0.0168	1.7000e-004	3.9800e-003	1.6000e-004	4.1400e-003	1.0900e-003	1.5000e-004	1.2400e-003		18.7163	18.7163	2.0100e-003		18.7667
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	0.0968	0.0544	0.6530	2.4000e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		239.7447	239.7447	4.8400e-003		239.8656
Total	**0.0984**	**0.1083**	**0.6698**	**2.5700e-003**	**0.2834**	**1.9300e-003**	**0.2854**	**0.0752**	**1.7800e-003**	**0.0770**		**258.4610**	**258.4610**	**6.8500e-003**		**258.6323**

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					0.0191	0.0000	0.0191	2.8900e-003	0.0000	2.8900e-003			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538	0.0000	5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**0.0191**	**1.2419**	**1.2610**	**2.8900e-003**	**1.1538**	**1.1567**	**0.0000**	**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6000e-003	0.0540	0.0168	1.7000e-004	3.9800e-003	1.6000e-004	4.1400e-003	1.0900e-003	1.5000e-004	1.2400e-003		18.7163	18.7163	2.0100e-003		18.7667
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	0.0968	0.0544	0.6530	2.4000e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		239.7447	239.7447	4.8400e-003		239.8656
Total	**0.0984**	**0.1083**	**0.6698**	**2.5700e-003**	**0.2834**	**1.9300e-003**	**0.2854**	**0.0752**	**1.7800e-003**	**0.0770**		**258.4610**	**258.4610**	**6.8500e-003**		**258.6323**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538		5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**7.0826**	**1.2419**	**8.3245**	**3.4247**	**1.1538**	**4.5786**		**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0968	0.0544	0.6530	2.4000e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		239.7447	239.7447	4.8400e-003		239.8656
Total	**0.0968**	**0.0544**	**0.6530**	**2.4000e-003**	**0.2794**	**1.7700e-003**	**0.2812**	**0.0741**	**1.6300e-003**	**0.0757**		**239.7447**	**239.7447**	**4.8400e-003**		**239.8656**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538	0.0000	5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**2.7622**	**1.2419**	**4.0041**	**1.3357**	**1.1538**	**2.4895**	**0.0000**	**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0968	0.0544	0.6530	2.4000e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		239.7447	239.7447	4.8400e-003		239.8656
Total	**0.0968**	**0.0544**	**0.6530**	**2.4000e-003**	**0.2794**	**1.7700e-003**	**0.2812**	**0.0741**	**1.6300e-003**	**0.0757**		**239.7447**	**239.7447**	**4.8400e-003**		**239.8656**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2070	0.0000	7.2070	3.4436	0.0000	3.4436			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538		5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**7.2070**	**1.2419**	**8.4489**	**3.4436**	**1.1538**	**4.5974**		**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9631	32.4673	10.1076	0.1006	2.3938	0.0967	2.4905	0.6553	0.0925	0.7478		11,259.0426	11,259.0426	1.2111		11,289.3210
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	0.0968	0.0544	0.6530	2.4000e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		239.7447	239.7447	4.8400e-003		239.8656
Total	**1.0599**	**32.5216**	**10.7605**	**0.1030**	**2.6732**	**0.0985**	**2.7717**	**0.7294**	**0.0941**	**0.8235**		**11,498.7873**	**11,498.7873**	**1.2160**		**11,529.1866**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8107	0.0000	2.8107	1.3430	0.0000	1.3430			0.0000			0.0000
Off-Road	2.9024	26.7278	23.7106	0.0542		1.2419	1.2419		1.1538	1.1538	0.0000	5,207.1266	5,207.1266	1.5629		5,246.1989
Total	**2.9024**	**26.7278**	**23.7106**	**0.0542**	**2.8107**	**1.2419**	**4.0526**	**1.3430**	**1.1538**	**2.4968**	**0.0000**	**5,207.1266**	**5,207.1266**	**1.5629**		**5,246.1989**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9631	32.4673	10.1076	0.1006	2.3938	0.0967	2.4905	0.6553	0.0925	0.7478		11,259.0426	11,259.0426	1.2111		11,289.3210
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	0.0968	0.0544	0.6530	2.4000e-003	0.2794	1.7700e-003	0.2812	0.0741	1.6300e-003	0.0757		239.7447	239.7447	4.8400e-003		239.8656
Total	**1.0599**	**32.5216**	**10.7605**	**0.1030**	**2.6732**	**0.0985**	**2.7717**	**0.7294**	**0.0941**	**0.8235**		**11,498.7873**	**11,498.7873**	**1.2160**		**11,529.1866**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3490	12.5082	9.8386	0.0323		0.4969	0.4969		0.4583	0.4583		3,103.1317	3,103.1317	0.9925		3,127.9448
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3530**	**12.5082**	**9.8386**	**0.0323**		**0.4969**	**0.4969**		**0.4583**	**0.4583**		**3,103.1317**	**3,103.1317**	**0.9925**		**3,127.9448**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	**0.0503**	**0.0283**	**0.3395**	**1.2500e-003**	**0.1453**	**9.2000e-004**	**0.1462**	**0.0385**	**8.5000e-004**	**0.0394**		**124.6672**	**124.6672**	**2.5200e-003**		**124.7301**

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	1.3490	12.5082	9.8386	0.0323		0.4969	0.4969		0.4583	0.4583	0.0000	3,103.1317	3,103.1317	0.9925		3,127.9448
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3530**	**12.5082**	**9.8386**	**0.0323**		**0.4969**	**0.4969**		**0.4583**	**0.4583**	**0.0000**	**3,103.1317**	**3,103.1317**	**0.9925**		**3,127.9448**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0503	0.0283	0.3395	1.2500e-003	0.1453	9.2000e-004	0.1462	0.0385	8.5000e-004	0.0394		124.6672	124.6672	2.5200e-003		124.7301
Total	**0.0503**	**0.0283**	**0.3395**	**1.2500e-003**	**0.1453**	**9.2000e-004**	**0.1462**	**0.0385**	**8.5000e-004**	**0.0394**		**124.6672**	**124.6672**	**2.5200e-003**		**124.7301**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2805	11.3269	9.6955	0.0323		0.4445	0.4445		0.4101	0.4101		3,106.2038	3,106.2038	0.9935		3,131.0417
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2845**	**11.3269**	**9.6955**	**0.0323**		**0.4445**	**0.4445**		**0.4101**	**0.4101**		**3,106.2038**	**3,106.2038**	**0.9935**		**3,131.0417**

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	**0.0478**	**0.0257**	**0.3162**	**1.2000e-003**	**0.1453**	**9.1000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**119.8806**	**119.8806**	**2.2800e-003**		**119.9376**

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	1.2805	11.3269	9.6955	0.0323		0.4445	0.4445		0.4101	0.4101	0.0000	3,106.2038	3,106.2038	0.9935		3,131.0417
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2845**	**11.3269**	**9.6955**	**0.0323**		**0.4445**	**0.4445**		**0.4101**	**0.4101**	**0.0000**	**3,106.2038**	**3,106.2038**	**0.9935**		**3,131.0417**

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0478	0.0257	0.3162	1.2000e-003	0.1453	9.1000e-004	0.1462	0.0385	8.3000e-004	0.0394		119.8806	119.8806	2.2800e-003		119.9376
Total	**0.0478**	**0.0257**	**0.3162**	**1.2000e-003**	**0.1453**	**9.1000e-004**	**0.1462**	**0.0385**	**8.3000e-004**	**0.0394**		**119.8806**	**119.8806**	**2.2800e-003**		**119.9376**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8383	25.4561	27.2055	0.0539		1.2269	1.2269		1.1466	1.1466		5,199.6842	5,199.6842	1.4203		5,235.1913
Total	**2.8383**	**25.4561**	**27.2055**	**0.0539**		**1.2269**	**1.2269**		**1.1466**	**1.1466**		**5,199.6842**	**5,199.6842**	**1.4203**		**5,235.1913**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0381	1.2655	0.4699	4.3800e-003	0.1214	1.6300e-003	0.1230	0.0349	1.5600e-003	0.0365		478.4376	478.4376	0.0376		479.3763
Worker	0.2280	0.1223	1.5078	5.7300e-003	0.6930	4.3200e-003	0.6973	0.1838	3.9800e-003	0.1878		571.7382	571.7382	0.0109		572.0100
Total	**0.2661**	**1.3878**	**1.9777**	**0.0101**	**0.8144**	**5.9500e-003**	**0.8204**	**0.2187**	**5.5400e-003**	**0.2243**		**1,050.1758**	**1,050.1758**	**0.0484**		**1,051.3863**

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	2.8383	25.4561	27.2055	0.0539		1.2269	1.2269		1.1466	1.1466	0.0000	5,199.6842	5,199.6842	1.4203		5,235.1913
Total	**2.8383**	**25.4561**	**27.2055**	**0.0539**		**1.2269**	**1.2269**		**1.1466**	**1.1466**	**0.0000**	**5,199.6842**	**5,199.6842**	**1.4203**		**5,235.1913**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0381	1.2655	0.4699	4.3800e-003	0.1214	1.6300e-003	0.1230	0.0349	1.5600e-003	0.0365		478.4376	478.4376	0.0376		479.3763
Worker	0.2280	0.1223	1.5078	5.7300e-003	0.6930	4.3200e-003	0.6973	0.1838	3.9800e-003	0.1878		571.7382	571.7382	0.0109		572.0100
Total	**0.2661**	**1.3878**	**1.9777**	**0.0101**	**0.8144**	**5.9500e-003**	**0.8204**	**0.2187**	**5.5400e-003**	**0.2243**		**1,050.1758**	**1,050.1758**	**0.0484**		**1,051.3863**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1825	17.7174	21.3316	0.0428		0.8522	0.8522		0.8133	0.8133		4,087.5236	4,087.5236	0.8870		4,109.6990
Total	**13.4022**	**17.7174**	**21.3316**	**0.0428**		**0.8522**	**0.8522**		**0.8133**	**0.8133**		**4,087.5236**	**4,087.5236**	**0.8870**		**4,109.6990**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0441	0.0237	0.2918	1.1100e-003	0.1341	8.4000e-004	0.1350	0.0356	7.7000e-004	0.0363		110.6590	110.6590	2.1000e-003		110.7116
Total	**0.0441**	**0.0237**	**0.2918**	**1.1100e-003**	**0.1341**	**8.4000e-004**	**0.1350**	**0.0356**	**7.7000e-004**	**0.0363**		**110.6590**	**110.6590**	**2.1000e-003**		**110.7116**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.2197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1825	17.7174	21.3316	0.0428		0.8522	0.8522		0.8133	0.8133	0.0000	4,087.5236	4,087.5236	0.8870		4,109.6990
Total	**13.4022**	**17.7174**	**21.3316**	**0.0428**		**0.8522**	**0.8522**		**0.8133**	**0.8133**	**0.0000**	**4,087.5236**	**4,087.5236**	**0.8870**		**4,109.6990**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0441	0.0237	0.2918	1.1100e-003	0.1341	8.4000e-004	0.1350	0.0356	7.7000e-004	0.0363		110.6590	110.6590	2.1000e-003		110.7116
Total	**0.0441**	**0.0237**	**0.2918**	**1.1100e-003**	**0.1341**	**8.4000e-004**	**0.1350**	**0.0356**	**7.7000e-004**	**0.0363**		**110.6590**	**110.6590**	**2.1000e-003**		**110.7116**

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	0.3324	0.5468	3.2759	0.0104	1.0997	7.3700e-003	1.1071	0.2937	6.8700e-003	0.3006		1,074.0901	1,074.0901	0.0561		1,075.4923
Unmitigated	0.3324	0.5468	3.2759	0.0104	1.0997	7.3700e-003	1.1071	0.2937	6.8700e-003	0.3006		1,074.0901	1,074.0901	0.0561		1,075.4923

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	152.00	137.48	114.52	494,024	494,024
Enclosed Parking with Elevator	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		
Total	152.00	137.48	114.52	494,024	494,024

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 Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Enclosed Parking with Elevator	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

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	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
NaturalGas Unmitigated	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015

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 Mid Rise	636.282	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
Enclosed Parking with Elevator	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
Total		**6.8600e-003**	**0.0586**	**0.0250**	**3.7000e-004**		**4.7400e-003**	**4.7400e-003**		**4.7400e-003**	**4.7400e-003**		**74.8567**	**74.8567**	**1.4300e-003**	**1.3700e-003**	**75.3015**

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 Mid Rise	0.636282	6.8600e-003	0.0586	0.0250	3.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003		74.8567	74.8567	1.4300e-003	1.3700e-003	75.3015
Enclosed Parking with Elevator	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
Total		**6.8600e-003**	**0.0586**	**0.0250**	**3.7000e-004**		**4.7400e-003**	**4.7400e-003**		**4.7400e-003**	**4.7400e-003**		**74.8567**	**74.8567**	**1.4300e-003**	**1.3700e-003**	**75.3015**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0016	0.4912	2.5193	3.0900e-003		0.0504	0.0504		0.0504	0.0504	0.0000	597.1245	597.1245	0.0154	0.0109	600.7496
Unmitigated	2.0016	0.4912	2.5193	3.0900e-003		0.0504	0.0504		0.0504	0.0504	0.0000	597.1245	597.1245	0.0154	0.0109	600.7496

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	0.1537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0544	0.4645	0.1977	2.9600e-003		0.0376	0.0376		0.0376	0.0376	0.0000	592.9412	592.9412	0.0114	0.0109	596.4647
Landscaping	0.0706	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128		4.1833	4.1833	4.0600e-003		4.2849
Total	**2.0016**	**0.4912**	**2.5193**	**3.0800e-003**		**0.0504**	**0.0504**		**0.0504**	**0.0504**	**0.0000**	**597.1245**	**597.1245**	**0.0154**	**0.0109**	**600.7496**

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	0.1537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0544	0.4645	0.1977	2.9600e-003		0.0376	0.0376		0.0376	0.0376	0.0000	592.9412	592.9412	0.0114	0.0109	596.4647
Landscaping	0.0706	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128		4.1833	4.1833	4.0600e-003		4.2849
Total	**2.0016**	**0.4912**	**2.5193**	**3.0800e-003**		**0.0504**	**0.0504**		**0.0504**	**0.0504**	**0.0000**	**597.1245**	**597.1245**	**0.0154**	**0.0109**	**600.7496**

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

Residences at Newport Center (Unmitigated)

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	81.00	Space	0.00	71,456.00	0
Other Asphalt Surfaces	11.35	1000sqft	0.26	11,346.00	0
Other Non-Asphalt Surfaces	16.60	1000sqft	0.00	16,597.00	0
Apartments Mid Rise	28.00	Dwelling Unit	1.00	85,236.00	80

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
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 - Total Project Area is 1.26 acres.

Construction Phase - Construction Schedule based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Off-road Equipment - Construction Equipment based on information provided in the Construction Management Plan.

Demolition -

Grading - For purposes of analysis, it is assumed that 1 acre will be disturbed per day.

Architectural Coating - Rule 1113

Vehicle Trips - Trip Rates based on information provided in the Residences at Newport Center Trip Generation Assessment by Urban Crossroads, Inc.

Woodstoves - Rule 445

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses and 53% less energy for residential uses

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
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	2.00	70.00
tblConstructionPhase	NumDays	4.00	30.00
tblConstructionPhase	NumDays	10.00	170.00

tblConstructionPhase	NumDays	200.00	125.00
tblConstructionPhase	NumDays	10.00	50.00
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tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	T24E	179.76	84.49
tblEnergyUse	T24E	3.92	1.75
tblEnergyUse	T24NG	5,911.46	2,778.39
tblFireplaces	NumberGas	23.80	28.00
tblFireplaces	NumberNoFireplace	2.80	0.00
tblFireplaces	NumberWood	1.40	0.00
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tblGrading	AcresOfGrading	0.00	70.00
tblGrading	MaterialExported	0.00	33,000.00
tblLandUse	LandUseSquareFeet	32,400.00	71,456.00
tblLandUse	LandUseSquareFeet	28,000.00	85,236.00
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tblLandUse	LotAcreage	0.74	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
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tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	3.5730e-003	3.2420e-003
tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
tblVehicleEF	LDT2	337.54	317.72
tblVehicleEF	LDT2	76.37	67.46
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003

tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65

tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003

tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
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tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005

tblVehicleEF	LHD1	5.7620e-003	6.2800e-003
tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
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tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
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tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28

tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
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tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
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tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
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tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05

tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
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tblVehicleEF	LHD2	0.61	0.70
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
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tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
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tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
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tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
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tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003

tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
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tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43

tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76
tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68

tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09

tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	398.17
tblVehicleEF	MDV	101.87	81.92
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30

tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	408.87
tblVehicleEF	MDV	101.87	81.18
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003

tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003
tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92
tblVehicleEF	MDV	460.81	394.22
tblVehicleEF	MDV	101.87	82.09
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003

tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.24	3.63
tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00

tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09

tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.08	1.21
tblVehicleEF	MHD	141.00	53.16
tblVehicleEF	MHD	1,129.46	1,011.60

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tblVehicleEF	MHD	10.82	1.53
tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
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tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06

tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003

tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
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tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
tblVehicleEF	MHD	129.46	53.18
tblVehicleEF	MHD	1,129.46	1,011.60
tblVehicleEF	MHD	58.21	12.52
tblVehicleEF	MHD	0.34	0.26
tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004

tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97

tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.43	0.62
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tblVehicleEF	OBUS	79.82	76.85
tblVehicleEF	OBUS	1,208.63	1,354.41
tblVehicleEF	OBUS	69.33	19.61
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tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
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tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
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tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56
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tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004

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tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
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tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
tblVehicleEF	SBUS	1.03	0.90
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tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
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tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
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tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
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tblVehicleEF	SBUS	0.01	0.06
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tblVehicleEF	SBUS	0.01	3.5240e-003
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tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
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tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003
tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003

tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	41.13
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	2,036.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.44
tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003

tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	41.13
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	2,036.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.44
tblVehicleEF	UBUS	13.05	0.16

tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	41.13
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	2,036.05

tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.44
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	0.08
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	5.39
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	1.04	0.11
tblVehicleTrips	ST_TR	6.39	4.91
tblVehicleTrips	SU_TR	5.86	4.09

tblVehicleTrips	WD_TR	6.65	5.43
tblWoodstoves	NumberCatalytic	1.40	0.00
tblWoodstoves	NumberNoncatalytic	1.40	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					
2022	0.2887	2.9571	2.3235	7.0900e-003	0.4182	0.1113	0.5295	0.1883	0.1032	0.2915	0.0000	641.0058	641.0058	0.1593	0.0000	644.9874
2023	0.5723	2.4973	2.6968	6.2100e-003	0.0580	0.1131	0.1711	0.0156	0.1059	0.1215	0.0000	547.1315	547.1315	0.1332	0.0000	550.4618
Maximum	**0.5723**	**2.9571**	**2.6968**	**7.0900e-003**	**0.4182**	**0.1131**	**0.5295**	**0.1883**	**0.1059**	**0.2915**	**0.0000**	**641.0058**	**641.0058**	**0.1593**	**0.0000**	**644.9874**

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					
2022	0.2887	2.9571	2.3235	7.0900e-003	0.2005	0.1113	0.3118	0.0835	0.1032	0.1868	0.0000	641.0052	641.0052	0.1593	0.0000	644.9868
2023	0.5723	2.4973	2.6968	6.2100e-003	0.0580	0.1131	0.1711	0.0156	0.1059	0.1215	0.0000	547.1309	547.1309	0.1332	0.0000	550.4613
Maximum	**0.5723**	**2.9571**	**2.6968**	**7.0900e-003**	**0.2005**	**0.1131**	**0.3118**	**0.0835**	**0.1059**	**0.1868**	**0.0000**	**641.0052**	**641.0052**	**0.1593**	**0.0000**	**644.9868**

	ROG	**NOx**	**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**	**45.71**	**0.00**	**31.07**	**51.37**	**0.00**	**25.35**	**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	2-1-2022	4-30-2022	0.9474	0.9474
2	5-1-2022	7-31-2022	1.3794	1.3794
3	8-1-2022	10-31-2022	0.5975	0.5975
4	11-1-2022	1-31-2023	0.4441	0.4441
5	2-1-2023	4-30-2023	0.5693	0.5693
6	5-1-2023	7-31-2023	1.1388	1.1388
7	8-1-2023	9-30-2023	1.2219	1.2219
		Highest	1.3794	1.3794

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	0.3520	9.1500e-003	0.2927	5.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	7.1982	7.1982	5.9000e-004	1.2000e-004	7.2497
Energy	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	115.6756	115.6756	4.5000e-003	1.1100e-003	116.1188
Mobile	0.0546	0.0965	0.5779	1.8100e-003	0.1870	1.2800e-003	0.1883	0.0500	1.1900e-003	0.0512	0.0000	171.1073	171.1073	0.0100	0.0000	171.3578
Waste						0.0000	0.0000		0.0000	0.0000	2.6145	0.0000	2.6145	0.1545	0.0000	6.4774
Water						0.0000	0.0000		0.0000	0.0000	0.5788	11.6399	12.2187	0.0599	1.5000e-003	14.1647
Total	**0.4078**	**0.1164**	**0.8751**	**1.9300e-003**	**0.1870**	**4.2200e-003**	**0.1913**	**0.0500**	**4.1300e-003**	**0.0542**	**3.1933**	**305.6210**	**308.8143**	**0.2296**	**2.7300e-003**	**315.3683**

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	0.3520	9.1500e-003	0.2927	5.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	7.1982	7.1982	5.9000e-004	1.2000e-004	7.2497
Energy	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	115.6756	115.6756	4.5000e-003	1.1100e-003	116.1188
Mobile	0.0546	0.0965	0.5779	1.8100e-003	0.1870	1.2800e-003	0.1883	0.0500	1.1900e-003	0.0512	0.0000	171.1073	171.1073	0.0100	0.0000	171.3578
Waste						0.0000	0.0000		0.0000	0.0000	2.6145	0.0000	2.6145	0.1545	0.0000	6.4774
Water						0.0000	0.0000		0.0000	0.0000	0.5788	11.6399	12.2187	0.0599	1.5000e-003	14.1647
Total	**0.4078**	**0.1164**	**0.8751**	**1.9300e-003**	**0.1870**	**4.2200e-003**	**0.1913**	**0.0500**	**4.1300e-003**	**0.0542**	**3.1933**	**305.6210**	**308.8143**	**0.2296**	**2.7300e-003**	**315.3683**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	3/21/2022	5	35	
2	Site Preparation	Site Preparation	3/22/2022	6/27/2022	5	70	
3	Grading	Grading	6/28/2022	8/8/2022	5	30	
4	Paving	Paving	8/9/2022	4/3/2023	5	170	
5	Building Construction	Building Construction	4/4/2023	9/25/2023	5	125	
6	Architectural Coating	Architectural Coating	7/18/2023	9/25/2023	5	50	

Acres of Grading (Site Preparation Phase): 70

Acres of Grading (Grading Phase): 30

Acres of Paving: 0.26

Residential Indoor: 172,603; Residential Outdoor: 57,534; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,964 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Bore/Drill Rigs	1	8.00	221	0.50
Demolition	Cement and Mortar Mixers	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Other Construction Equipment	1	8.00	172	0.42
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Dozers	1	8.00	247	0.40

Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Air Compressors	1	8.00	78	0.48
Site Preparation	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Cement and Mortar Mixers	1	8.00	9	0.56
Site Preparation	Dumpers/Tenders	1	8.00	16	0.38
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Other Construction Equipment	1	8.00	172	0.42
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Air Compressors	1	8.00	78	0.48
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Cement and Mortar Mixers	1	8.00	9	0.56
Grading	Dumpers/Tenders	1	8.00	16	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Other Construction Equipment	1	8.00	172	0.42
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Bore/Drill Rigs	1	8.00	221	0.50

Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Cranes	1	8.00	231	0.29
Paving	Off-Highway Trucks	1	8.00	402	0.38
Paving	Pavers	0	6.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Other Construction Equipment	4	8.00	172	0.42
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	1	8.00	9	0.56
Architectural Coating	Concrete/Industrial Saws	2	8.00	81	0.73
Architectural Coating	Off-Highway Trucks	1	8.00	402	0.38
Architectural Coating	Other Construction Equipment	2	8.00	172	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	25.00	0.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	10	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	4,125.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	62.00	19.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	7	12.00	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 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.6000e-004	0.0000	8.6000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0508	0.4677	0.4149	9.5000e-004		0.0217	0.0217		0.0202	0.0202	0.0000	82.6670	82.6670	0.0248	0.0000	83.2873
Total	**0.0508**	**0.4677**	**0.4149**	**9.5000e-004**	**8.6000e-004**	**0.0217**	**0.0226**	**1.3000e-004**	**0.0202**	**0.0203**	**0.0000**	**82.6670**	**82.6670**	**0.0248**	**0.0000**	**83.2873**

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	9.6000e-004	2.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2998	0.2998	3.0000e-005	0.0000	0.3006
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	1.5200e-003	9.8000e-004	0.0117	4.0000e-005	4.8000e-003	3.0000e-005	4.8300e-003	1.2800e-003	3.0000e-005	1.3000e-003	0.0000	3.8642	3.8642	8.0000e-005	0.0000	3.8661
Total	**1.5500e-003**	**1.9400e-003**	**0.0120**	**4.0000e-005**	**4.8700e-003**	**3.0000e-005**	**4.9000e-003**	**1.3000e-003**	**3.0000e-005**	**1.3200e-003**	**0.0000**	**4.1640**	**4.1640**	**1.1000e-004**	**0.0000**	**4.1667**

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					3.3000e-004	0.0000	3.3000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0508	0.4677	0.4149	9.5000e-004		0.0217	0.0217		0.0202	0.0202	0.0000	82.6669	82.6669	0.0248	0.0000	83.2872
Total	**0.0508**	**0.4677**	**0.4149**	**9.5000e-004**	**3.3000e-004**	**0.0217**	**0.0221**	**5.0000e-005**	**0.0202**	**0.0202**	**0.0000**	**82.6669**	**82.6669**	**0.0248**	**0.0000**	**83.2872**

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	9.6000e-004	2.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2998	0.2998	3.0000e-005	0.0000	0.3006
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	1.5200e-003	9.8000e-004	0.0117	4.0000e-005	4.8000e-003	3.0000e-005	4.8300e-003	1.2800e-003	3.0000e-005	1.3000e-003	0.0000	3.8642	3.8642	8.0000e-005	0.0000	3.8661
Total	**1.5500e-003**	**1.9400e-003**	**0.0120**	**4.0000e-005**	**4.8700e-003**	**3.0000e-005**	**4.9000e-003**	**1.3000e-003**	**3.0000e-005**	**1.3200e-003**	**0.0000**	**4.1640**	**4.1640**	**1.1000e-004**	**0.0000**	**4.1667**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2479	0.0000	0.2479	0.1199	0.0000	0.1199	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1016	0.9355	0.8299	1.9000e-003		0.0435	0.0435		0.0404	0.0404	0.0000	165.3339	165.3339	0.0496	0.0000	166.5745
Total	**0.1016**	**0.9355**	**0.8299**	**1.9000e-003**	**0.2479**	**0.0435**	**0.2914**	**0.1199**	**0.0404**	**0.1603**	**0.0000**	**165.3339**	**165.3339**	**0.0496**	**0.0000**	**166.5745**

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0300e-003	1.9500e-003	0.0234	9.0000e-005	9.6100e-003	6.0000e-005	9.6700e-003	2.5500e-003	6.0000e-005	2.6100e-003	0.0000	7.7283	7.7283	1.6000e-004	0.0000	7.7322
Total	**3.0300e-003**	**1.9500e-003**	**0.0234**	**9.0000e-005**	**9.6100e-003**	**6.0000e-005**	**9.6700e-003**	**2.5500e-003**	**6.0000e-005**	**2.6100e-003**	**0.0000**	**7.7283**	**7.7283**	**1.6000e-004**	**0.0000**	**7.7322**

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					0.0967	0.0000	0.0967	0.0468	0.0000	0.0468	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1016	0.9355	0.8299	1.9000e-003		0.0435	0.0435		0.0404	0.0404	0.0000	165.3337	165.3337	0.0496	0.0000	166.5743
Total	**0.1016**	**0.9355**	**0.8299**	**1.9000e-003**	**0.0967**	**0.0435**	**0.1402**	**0.0468**	**0.0404**	**0.0871**	**0.0000**	**165.3337**	**165.3337**	**0.0496**	**0.0000**	**166.5743**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0300e-003	1.9500e-003	0.0234	9.0000e-005	9.6100e-003	6.0000e-005	9.6700e-003	2.5500e-003	6.0000e-005	2.6100e-003	0.0000	7.7283	7.7283	1.6000e-004	0.0000	7.7322
Total	**3.0300e-003**	**1.9500e-003**	**0.0234**	**9.0000e-005**	**9.6100e-003**	**6.0000e-005**	**9.6700e-003**	**2.5500e-003**	**6.0000e-005**	**2.6100e-003**	**0.0000**	**7.7283**	**7.7283**	**1.6000e-004**	**0.0000**	**7.7322**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1081	0.0000	0.1081	0.0517	0.0000	0.0517	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0435	0.4009	0.3557	8.1000e-004		0.0186	0.0186		0.0173	0.0173	0.0000	70.8574	70.8574	0.0213	0.0000	71.3891
Total	**0.0435**	**0.4009**	**0.3557**	**8.1000e-004**	**0.1081**	**0.0186**	**0.1267**	**0.0517**	**0.0173**	**0.0690**	**0.0000**	**70.8574**	**70.8574**	**0.0213**	**0.0000**	**71.3891**

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0143	0.4963	0.1478	1.5200e-003	0.0354	1.4300e-003	0.0368	9.6900e-003	1.3700e-003	0.0111	0.0000	154.5866	154.5866	0.0163	0.0000	154.9938
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	1.3000e-003	8.4000e-004	0.0100	4.0000e-005	4.1200e-003	3.0000e-005	4.1400e-003	1.0900e-003	2.0000e-005	1.1200e-003	0.0000	3.3121	3.3121	7.0000e-005	0.0000	3.3138
Total	**0.0156**	**0.4971**	**0.1579**	**1.5600e-003**	**0.0395**	**1.4600e-003**	**0.0409**	**0.0108**	**1.3900e-003**	**0.0122**	**0.0000**	**157.8987**	**157.8987**	**0.0164**	**0.0000**	**158.3076**

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					0.0422	0.0000	0.0422	0.0201	0.0000	0.0201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0435	0.4009	0.3557	8.1000e-004		0.0186	0.0186		0.0173	0.0173	0.0000	70.8573	70.8573	0.0213	0.0000	71.3890
Total	**0.0435**	**0.4009**	**0.3557**	**8.1000e-004**	**0.0422**	**0.0186**	**0.0608**	**0.0201**	**0.0173**	**0.0375**	**0.0000**	**70.8573**	**70.8573**	**0.0213**	**0.0000**	**71.3890**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0143	0.4963	0.1478	1.5200e-003	0.0354	1.4300e-003	0.0368	9.6900e-003	1.3700e-003	0.0111	0.0000	154.5866	154.5866	0.0163	0.0000	154.9938
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	1.3000e-003	8.4000e-004	0.0100	4.0000e-005	4.1200e-003	3.0000e-005	4.1400e-003	1.0900e-003	2.0000e-005	1.1200e-003	0.0000	3.3121	3.3121	7.0000e-005	0.0000	3.3138
Total	**0.0156**	**0.4971**	**0.1579**	**1.5600e-003**	**0.0395**	**1.4600e-003**	**0.0409**	**0.0108**	**1.3900e-003**	**0.0122**	**0.0000**	**157.8987**	**157.8987**	**0.0164**	**0.0000**	**158.3076**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0702	0.6504	0.5116	1.6800e-003		0.0258	0.0258		0.0238	0.0238	0.0000	146.3859	146.3859	0.0468	0.0000	147.5564
Paving	2.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0704**	**0.6504**	**0.5116**	**1.6800e-003**		**0.0258**	**0.0258**		**0.0238**	**0.0238**	**0.0000**	**146.3859**	**146.3859**	**0.0468**	**0.0000**	**147.5564**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3400e-003	1.5100e-003	0.0181	7.0000e-005	7.4200e-003	5.0000e-005	7.4700e-003	1.9700e-003	4.0000e-005	2.0100e-003	0.0000	5.9707	5.9707	1.2000e-004	0.0000	5.9737
Total	**2.3400e-003**	**1.5100e-003**	**0.0181**	**7.0000e-005**	**7.4200e-003**	**5.0000e-005**	**7.4700e-003**	**1.9700e-003**	**4.0000e-005**	**2.0100e-003**	**0.0000**	**5.9707**	**5.9707**	**1.2000e-004**	**0.0000**	**5.9737**

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	0.0702	0.6504	0.5116	1.6800e-003		0.0258	0.0258		0.0238	0.0238	0.0000	146.3857	146.3857	0.0468	0.0000	147.5563
Paving	2.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0704**	**0.6504**	**0.5116**	**1.6800e-003**		**0.0258**	**0.0258**		**0.0238**	**0.0238**	**0.0000**	**146.3857**	**146.3857**	**0.0468**	**0.0000**	**147.5563**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3400e-003	1.5100e-003	0.0181	7.0000e-005	7.4200e-003	5.0000e-005	7.4700e-003	1.9700e-003	4.0000e-005	2.0100e-003	0.0000	5.9707	5.9707	1.2000e-004	0.0000	5.9737
Total	**2.3400e-003**	**1.5100e-003**	**0.0181**	**7.0000e-005**	**7.4200e-003**	**5.0000e-005**	**7.4700e-003**	**1.9700e-003**	**4.0000e-005**	**2.0100e-003**	**0.0000**	**5.9707**	**5.9707**	**1.2000e-004**	**0.0000**	**5.9737**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0423	0.3738	0.3200	1.0700e-003		0.0147	0.0147		0.0135	0.0135	0.0000	92.9907	92.9907	0.0297	0.0000	93.7343
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0424**	**0.3738**	**0.3200**	**1.0700e-003**		**0.0147**	**0.0147**		**0.0135**	**0.0135**	**0.0000**	**92.9907**	**92.9907**	**0.0297**	**0.0000**	**93.7343**

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4100e-003	8.7000e-004	0.0107	4.0000e-005	4.7100e-003	3.0000e-005	4.7400e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.6435	3.6435	7.0000e-005	0.0000	3.6453
Total	**1.4100e-003**	**8.7000e-004**	**0.0107**	**4.0000e-005**	**4.7100e-003**	**3.0000e-005**	**4.7400e-003**	**1.2500e-003**	**3.0000e-005**	**1.2800e-003**	**0.0000**	**3.6435**	**3.6435**	**7.0000e-005**	**0.0000**	**3.6453**

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	0.0423	0.3738	0.3200	1.0700e-003		0.0147	0.0147		0.0135	0.0135	0.0000	92.9906	92.9906	0.0297	0.0000	93.7342
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0424**	**0.3738**	**0.3200**	**1.0700e-003**		**0.0147**	**0.0147**		**0.0135**	**0.0135**	**0.0000**	**92.9906**	**92.9906**	**0.0297**	**0.0000**	**93.7342**

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4100e-003	8.7000e-004	0.0107	4.0000e-005	4.7100e-003	3.0000e-005	4.7400e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.6435	3.6435	7.0000e-005	0.0000	3.6453
Total	**1.4100e-003**	**8.7000e-004**	**0.0107**	**4.0000e-005**	**4.7100e-003**	**3.0000e-005**	**4.7400e-003**	**1.2500e-003**	**3.0000e-005**	**1.2800e-003**	**0.0000**	**3.6435**	**3.6435**	**7.0000e-005**	**0.0000**	**3.6453**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1774	1.5910	1.7003	3.3700e-003		0.0767	0.0767		0.0717	0.0717	0.0000	294.8171	294.8171	0.0805	0.0000	296.8304
Total	**0.1774**	**1.5910**	**1.7003**	**3.3700e-003**		**0.0767**	**0.0767**		**0.0717**	**0.0717**	**0.0000**	**294.8171**	**294.8171**	**0.0805**	**0.0000**	**296.8304**

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3200e-003	0.0803	0.0284	2.8000e-004	7.4800e-003	1.0000e-004	7.5700e-003	2.1600e-003	9.0000e-005	2.2500e-003	0.0000	27.5179	27.5179	2.0800e-003	0.0000	27.5700
Worker	0.0127	7.8500e-003	0.0967	3.6000e-004	0.0425	2.7000e-004	0.0428	0.0113	2.5000e-004	0.0116	0.0000	32.9107	32.9107	6.3000e-004	0.0000	32.9264
Total	**0.0151**	**0.0881**	**0.1250**	**6.4000e-004**	**0.0500**	**3.7000e-004**	**0.0504**	**0.0135**	**3.4000e-004**	**0.0138**	**0.0000**	**60.4287**	**60.4287**	**2.7100e-003**	**0.0000**	**60.4964**

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	0.1774	1.5910	1.7003	3.3700e-003		0.0767	0.0767		0.0717	0.0717	0.0000	294.8168	294.8168	0.0805	0.0000	296.8300
Total	**0.1774**	**1.5910**	**1.7003**	**3.3700e-003**		**0.0767**	**0.0767**		**0.0717**	**0.0717**	**0.0000**	**294.8168**	**294.8168**	**0.0805**	**0.0000**	**296.8300**

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3200e-003	0.0803	0.0284	2.8000e-004	7.4800e-003	1.0000e-004	7.5700e-003	2.1600e-003	9.0000e-005	2.2500e-003	0.0000	27.5179	27.5179	2.0800e-003	0.0000	27.5700
Worker	0.0127	7.8500e-003	0.0967	3.6000e-004	0.0425	2.7000e-004	0.0428	0.0113	2.5000e-004	0.0116	0.0000	32.9107	32.9107	6.3000e-004	0.0000	32.9264
Total	**0.0151**	**0.0881**	**0.1250**	**6.4000e-004**	**0.0500**	**3.7000e-004**	**0.0504**	**0.0135**	**3.4000e-004**	**0.0138**	**0.0000**	**60.4287**	**60.4287**	**2.7100e-003**	**0.0000**	**60.4964**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2805					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0546	0.4429	0.5333	1.0700e-003		0.0213	0.0213		0.0203	0.0203	0.0000	92.7035	92.7035	0.0201	0.0000	93.2064
Total	**0.3351**	**0.4429**	**0.5333**	**1.0700e-003**		**0.0213**	**0.0213**		**0.0203**	**0.0203**	**0.0000**	**92.7035**	**92.7035**	**0.0201**	**0.0000**	**93.2064**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	6.1000e-004	7.4800e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.5479	2.5479	5.0000e-005	0.0000	2.5491
Total	**9.9000e-004**	**6.1000e-004**	**7.4800e-003**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**8.9000e-004**	**0.0000**	**2.5479**	**2.5479**	**5.0000e-005**	**0.0000**	**2.5491**

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	0.2805					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0546	0.4429	0.5333	1.0700e-003		0.0213	0.0213		0.0203	0.0203	0.0000	92.7034	92.7034	0.0201	0.0000	93.2063
Total	**0.3351**	**0.4429**	**0.5333**	**1.0700e-003**		**0.0213**	**0.0213**		**0.0203**	**0.0203**	**0.0000**	**92.7034**	**92.7034**	**0.0201**	**0.0000**	**93.2063**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	6.1000e-004	7.4800e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.5479	2.5479	5.0000e-005	0.0000	2.5491
Total	**9.9000e-004**	**6.1000e-004**	**7.4800e-003**	**3.0000e-005**	**3.2900e-003**	**2.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**8.9000e-004**	**0.0000**	**2.5479**	**2.5479**	**5.0000e-005**	**0.0000**	**2.5491**

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	0.0546	0.0965	0.5779	1.8100e-003	0.1870	1.2800e-003	0.1883	0.0500	1.1900e-003	0.0512	0.0000	171.1073	171.1073	0.0100	0.0000	171.3578
Unmitigated	0.0546	0.0965	0.5779	1.8100e-003	0.1870	1.2800e-003	0.1883	0.0500	1.1900e-003	0.0512	0.0000	171.1073	171.1073	0.0100	0.0000	171.3578

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	152.00	137.48	114.52	494,024	494,024
Enclosed Parking with Elevator	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		
Total	152.00	137.48	114.52	494,024	494,024

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 Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Enclosed Parking with Elevator	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

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	103.2822	103.2822	4.2600e-003	8.8000e-004	103.6517
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	103.2822	103.2822	4.2600e-003	8.8000e-004	103.6517
NaturalGas Mitigated	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.3934	12.3934	2.4000e-004	2.3000e-004	12.4670
NaturalGas Unmitigated	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.3934	12.3934	2.4000e-004	2.3000e-004	12.4670

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 Mid Rise	232243	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.3934	12.3934	2.4000e-004	2.3000e-004	12.4670
Enclosed Parking with Elevator	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
Total		**1.2500e-003**	**0.0107**	**4.5500e-003**	**7.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.7000e-004**	**8.7000e-004**	**0.0000**	**12.3934**	**12.3934**	**2.4000e-004**	**2.3000e-004**	**12.4670**

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 Mid Rise	232243	1.2500e-003	0.0107	4.5500e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.3934	12.3934	2.4000e-004	2.3000e-004	12.4670
Enclosed Parking with Elevator	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
Total		**1.2500e-003**	**0.0107**	**4.5500e-003**	**7.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.7000e-004**	**8.7000e-004**	**0.0000**	**12.3934**	**12.3934**	**2.4000e-004**	**2.3000e-004**	**12.4670**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	97638	31.1096	1.2800e-003	2.7000e-004	31.2208
Enclosed Parking with Elevator	226516	72.1727	2.9800e-003	6.2000e-004	72.4309
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
Total		**103.2823**	**4.2600e-003**	**8.9000e-004**	**103.6517**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	97638	31.1096	1.2800e-003	2.7000e-004	31.2208
Enclosed Parking with Elevator	226516	72.1727	2.9800e-003	6.2000e-004	72.4309
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
Total		**103.2823**	**4.2600e-003**	**8.9000e-004**	**103.6517**

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	0.3520	9.1500e-003	0.2927	5.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	7.1982	7.1982	5.9000e-004	1.2000e-004	7.2497
Unmitigated	0.3520	9.1500e-003	0.2927	5.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	7.1982	7.1982	5.9000e-004	1.2000e-004	7.2497

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	0.0281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3144					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.8000e-004	5.8100e-003	2.4700e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	6.7238	6.7238	1.3000e-004	1.2000e-004	6.7638
Landscaping	8.8300e-003	3.3400e-003	0.2902	2.0000e-005		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	0.4744	0.4744	4.6000e-004	0.0000	0.4859
Total	**0.3520**	**9.1500e-003**	**0.2927**	**6.0000e-005**		**2.0700e-003**	**2.0700e-003**		**2.0700e-003**	**2.0700e-003**	**0.0000**	**7.1982**	**7.1982**	**5.9000e-004**	**1.2000e-004**	**7.2497**

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	0.0281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3144					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.8000e-004	5.8100e-003	2.4700e-003	4.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	6.7238	6.7238	1.3000e-004	1.2000e-004	6.7638
Landscaping	8.8300e-003	3.3400e-003	0.2902	2.0000e-005		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	0.4744	0.4744	4.6000e-004	0.0000	0.4859
Total	**0.3520**	**9.1500e-003**	**0.2927**	**6.0000e-005**		**2.0700e-003**	**2.0700e-003**		**2.0700e-003**	**2.0700e-003**	**0.0000**	**7.1982**	**7.1982**	**5.9000e-004**	**1.2000e-004**	**7.2497**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.2187	0.0599	1.5000e-003	14.1647
Unmitigated	12.2187	0.0599	1.5000e-003	14.1647

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.82431 / 1.15011	12.2187	0.0599	1.5000e-003	14.1647
Enclosed Parking with Elevator	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
Total		**12.2187**	**0.0599**	**1.5000e-003**	**14.1647**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.82431 / 1.15011	12.2187	0.0599	1.5000e-003	14.1647
Enclosed Parking with Elevator	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
Total		**12.2187**	**0.0599**	**1.5000e-003**	**14.1647**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.6145	0.1545	0.0000	6.4774
Unmitigated	2.6145	0.1545	0.0000	6.4774

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	12.88	2.6145	0.1545	0.0000	6.4774
Enclosed Parking with Elevator	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
Total		**2.6145**	**0.1545**	**0.0000**	**6.4774**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	12.88	2.6145	0.1545	0.0000	6.4774
Enclosed Parking with Elevator	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
Total		**2.6145**	**0.1545**	**0.0000**	**6.4774**

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

Residences at Newport Center (Unmitigated)

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	81.00	Space	0.00	71,456.00	0
Other Asphalt Surfaces	11.35	1000sqft	0.26	11,346.00	0
Other Non-Asphalt Surfaces	16.60	1000sqft	0.00	16,597.00	0
Apartments Mid Rise	28.00	Dwelling Unit	1.00	85,236.00	80

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
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 - Total Project Area is 1.26 acres.

Construction Phase - Construction Schedule based on information provided in the Construction Management Plan.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Trips and VMT - For worker trips, two or more shuttle vans will run up to 6-8 trips (one way) each morning and evening and up to 5 trips (one way) at lunch time.

Demolition - Worker Trip Run Only.

Grading - Worker Trip Run Only.

Architectural Coating - Worker Trip Run Only.

Vehicle Trips - Worker Trip Run Only.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Woodstoves - Worker Trip Run Only.

Energy Use - Worker Trip Run Only.

Water And Wastewater - Worker Trip Run Only.

Solid Waste - Worker Trip Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
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tblEnergyUse	NT24NG	5,516.00	0.00
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tblEnergyUse	T24NG	5,911.46	0.00
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tblFireplaces	NumberWood	1.40	0.00
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tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

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tblOffRoadEquipment	UsageHours	7.00	8.00
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tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33
tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
tblVehicleEF	LDT2	5.3310e-003	0.06
tblVehicleEF	LDT2	0.67	0.79
tblVehicleEF	LDT2	1.19	2.52
tblVehicleEF	LDT2	342.73	321.50
tblVehicleEF	LDT2	76.37	67.32
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.24

tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
tblVehicleEF	LDT2	1.03	2.18
tblVehicleEF	LDT2	356.77	331.76
tblVehicleEF	LDT2	76.37	66.67
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003

tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	3.5730e-003	3.2420e-003
tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
tblVehicleEF	LDT2	337.54	317.72
tblVehicleEF	LDT2	76.37	67.46
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003

tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65

tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003

tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005

tblVehicleEF	LHD1	5.7620e-003	6.2800e-003
tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003

tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28

tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05

tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.70
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
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tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
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tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
tblVehicleEF	LHD2	3.3030e-003	3.0590e-003
tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003

tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
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tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43

tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76
tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68

tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09

tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	398.17
tblVehicleEF	MDV	101.87	81.92
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30

tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	408.87
tblVehicleEF	MDV	101.87	81.18
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003

tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003
tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92
tblVehicleEF	MDV	460.81	394.22
tblVehicleEF	MDV	101.87	82.09
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003

tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
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tblVehicleEF	MH	1.24	3.63
tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00

tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09

tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.08	1.21
tblVehicleEF	MHD	141.00	53.16
tblVehicleEF	MHD	1,129.46	1,011.60

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tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
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tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06

tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003

tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
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tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
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tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004

tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
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tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97

tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
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tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
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tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
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tblVehicleEF	OBUS	0.04	0.07
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tblVehicleEF	OBUS	0.25	0.56
tblVehicleEF	OBUS	0.43	0.60
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tblVehicleEF	OBUS	69.33	19.85
tblVehicleEF	OBUS	0.15	0.31
tblVehicleEF	OBUS	0.54	0.96
tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
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tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004

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tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.04	0.04
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tblVehicleEF	SBUS	0.84	0.08
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tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
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tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
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tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.47	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	7.0990e-003
tblVehicleEF	SBUS	8.27	3.12

tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80
tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003

tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003
tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003

tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	41.13
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	2,036.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.44
tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003

tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	41.13
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	2,036.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.44
tblVehicleEF	UBUS	13.05	0.16

tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	41.13
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	2,036.05

tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.44
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	0.08
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	5.39
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	1.04	0.11
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	6.39	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblWater	IndoorWaterUseRate	1,824,312.72	0.00
tblWater	OutdoorWaterUseRate	1,150,110.19	0.00
tblWoodstoves	NumberCatalytic	1.40	0.00
tblWoodstoves	NumberNoncatalytic	1.40	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					
2022	0.1471	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871	0.0000	301.2105	301.2105	6.6700e-003	0.0000	301.3773
2023	0.2693	0.1226	1.8065	5.8200e-003	0.6398	4.6300e-003	0.6444	0.1698	4.2600e-003	0.1741	0.0000	579.3245	579.3245	0.0121	0.0000	579.6265
Maximum	**0.2693**	**0.1226**	**1.8065**	**5.8200e-003**	**0.6398**	**4.6300e-003**	**0.6444**	**0.1698**	**4.2600e-003**	**0.1741**	**0.0000**	**579.3245**	**579.3245**	**0.0121**	**0.0000**	**579.6265**

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					
2022	0.1471	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871	0.0000	301.2105	301.2105	6.6700e-003	0.0000	301.3773
2023	0.2693	0.1226	1.8065	5.8200e-003	0.6398	4.6300e-003	0.6444	0.1698	4.2600e-003	0.1741	0.0000	579.3245	579.3245	0.0121	0.0000	579.6265
Maximum	**0.2693**	**0.1226**	**1.8065**	**5.8200e-003**	**0.6398**	**4.6300e-003**	**0.6444**	**0.1698**	**4.2600e-003**	**0.1741**	**0.0000**	**579.3245**	**579.3245**	**0.0121**	**0.0000**	**579.6265**

	ROG	**NOx**	**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	1.9472	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	4.1833	4.1833	4.0600e-003	0.0000	4.2849
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	**1.9472**	**0.0267**	**2.3217**	**1.2000e-004**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**4.1833**	**4.1833**	**4.0600e-003**	**0.0000**	**4.2849**

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	1.9472	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	4.1833	4.1833	4.0600e-003	0.0000	4.2849
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	**1.9472**	**0.0267**	**2.3217**	**1.2000e-004**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**4.1833**	**4.1833**	**4.0600e-003**	**0.0000**	**4.2849**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	3/21/2022	5	35	
2	Site Preparation	Site Preparation	3/22/2022	6/27/2022	5	70	
3	Grading	Grading	6/28/2022	8/8/2022	5	30	
4	Paving	Paving	8/9/2022	4/3/2023	5	170	
5	Building Construction	Building Construction	4/4/2023	9/25/2023	5	125	
6	Architectural Coating	Architectural Coating	7/18/2023	9/25/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.26

Residential Indoor: 172,603; Residential Outdoor: 57,534; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,964 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition		0			
Demolition	Air Compressors	0	8.00	78	0.48
Demolition	Bore/Drill Rigs	0	8.00	221	0.50
Demolition	Cement and Mortar Mixers	0	8.00	9	0.56

Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	0	8.00	16	0.38
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	0	8.00	402	0.38
Demolition	Other Construction Equipment	0	8.00	172	0.42
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation		0			
Site Preparation	Air Compressors	0	8.00	78	0.48
Site Preparation	Bore/Drill Rigs	0	8.00	221	0.50
Site Preparation	Cement and Mortar Mixers	0	8.00	9	0.56
Site Preparation	Dumpers/Tenders	0	8.00	16	0.38
Site Preparation	Excavators	0	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Other Construction Equipment	0	8.00	172	0.42
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading		0			
Grading		0			
Grading	Air Compressors	0	8.00	78	0.48
Grading	Bore/Drill Rigs	0	8.00	221	0.50
Grading	Cement and Mortar Mixers	0	8.00	9	0.56

Grading	Dumpers/Tenders	0	8.00	16	0.38
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Off-Highway Trucks	0	8.00	402	0.38
Grading	Other Construction Equipment	0	8.00	172	0.42
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Bore/Drill Rigs	0	8.00	221	0.50
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Cranes	0	8.00	231	0.29
Paving	Off-Highway Trucks	0	8.00	402	0.38
Paving	Pavers	0	6.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Air Compressors	0	8.00	78	0.48
Building Construction	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	0	8.00	402	0.38
Building Construction	Other Construction Equipment	0	8.00	172	0.42
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating		0			

Architectural Coating	Air Compressors	0	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	0	8.00	9	0.56
Architectural Coating	Concrete/Industrial Saws	0	8.00	81	0.73
Architectural Coating	Off-Highway Trucks	0	8.00	402	0.38
Architectural Coating	Other Construction Equipment	0	8.00	172	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1430	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		301.2105	301.2105	6.6700e-003		301.3773
Total	**0.1430**	**0.0677**	**0.9721**	**3.0200e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**301.2105**	**301.2105**	**6.6700e-003**		**301.3773**

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1430	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		301.2105	301.2105	6.6700e-003		301.3773
Total	**0.1430**	**0.0677**	**0.9721**	**3.0200e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**301.2105**	**301.2105**	**6.6700e-003**		**301.3773**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1430	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		301.2105	301.2105	6.6700e-003		301.3773
Total	**0.1430**	**0.0677**	**0.9721**	**3.0200e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**301.2105**	**301.2105**	**6.6700e-003**		**301.3773**

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1430	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		301.2105	301.2105	6.6700e-003		301.3773
Total	**0.1430**	**0.0677**	**0.9721**	**3.0200e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**301.2105**	**301.2105**	**6.6700e-003**		**301.3773**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1430	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		301.2105	301.2105	6.6700e-003		301.3773
Total	**0.1430**	**0.0677**	**0.9721**	**3.0200e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**301.2105**	**301.2105**	**6.6700e-003**		**301.3773**

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1430	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		301.2105	301.2105	6.6700e-003		301.3773
Total	**0.1430**	**0.0677**	**0.9721**	**3.0200e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**301.2105**	**301.2105**	**6.6700e-003**		**301.3773**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0100e-003**	**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	0.1430	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		301.2105	301.2105	6.6700e-003		301.3773
Total	**0.1430**	**0.0677**	**0.9721**	**3.0200e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**301.2105**	**301.2105**	**6.6700e-003**		**301.3773**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0100e-003**	**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	0.1430	0.0677	0.9721	3.0200e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		301.2105	301.2105	6.6700e-003		301.3773
Total	**0.1430**	**0.0677**	**0.9721**	**3.0200e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**301.2105**	**301.2105**	**6.6700e-003**		**301.3773**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0100e-003**	**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	0.1346	0.0613	0.9033	2.9100e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		289.6623	289.6623	6.0400e-003		289.8132
Total	**0.1346**	**0.0613**	**0.9033**	**2.9100e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**289.6623**	**289.6623**	**6.0400e-003**		**289.8132**

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0100e-003**	**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	0.1346	0.0613	0.9033	2.9100e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		289.6623	289.6623	6.0400e-003		289.8132
Total	**0.1346**	**0.0613**	**0.9033**	**2.9100e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**289.6623**	**289.6623**	**6.0400e-003**		**289.8132**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1346	0.0613	0.9033	2.9100e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		289.6623	289.6623	6.0400e-003		289.8132
Total	**0.1346**	**0.0613**	**0.9033**	**2.9100e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**289.6623**	**289.6623**	**6.0400e-003**		**289.8132**

3.6 Building Construction - 2023

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1346	0.0613	0.9033	2.9100e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		289.6623	289.6623	6.0400e-003		289.8132
Total	**0.1346**	**0.0613**	**0.9033**	**2.9100e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**289.6623**	**289.6623**	**6.0400e-003**		**289.8132**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

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

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	0.1346	0.0613	0.9033	2.9100e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		289.6623	289.6623	6.0400e-003		289.8132
Total	**0.1346**	**0.0613**	**0.9033**	**2.9100e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**289.6623**	**289.6623**	**6.0400e-003**		**289.8132**

3.7 Architectural Coating - 2023

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	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**

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	0.1346	0.0613	0.9033	2.9100e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		289.6623	289.6623	6.0400e-003		289.8132
Total	**0.1346**	**0.0613**	**0.9033**	**2.9100e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**289.6623**	**289.6623**	**6.0400e-003**		**289.8132**

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 Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	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		
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 Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Enclosed Parking with Elevator	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

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 Mid 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
Enclosed Parking with Elevator	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
Total		**0.0000**	**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 Mid 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
Enclosed Parking with Elevator	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
Total		**0.0000**	**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	1.9472	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	4.1833	4.1833	4.0600e-003	0.0000	4.2849
Unmitigated	1.9472	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	4.1833	4.1833	4.0600e-003	0.0000	4.2849

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	0.1537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7229					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	0.0706	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128		4.1833	4.1833	4.0600e-003		4.2849
Total	**1.9472**	**0.0267**	**2.3217**	**1.2000e-004**		**0.0128**	**0.0128**		**0.0128**	**0.0128**	**0.0000**	**4.1833**	**4.1833**	**4.0600e-003**	**0.0000**	**4.2849**

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	0.1537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7229					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	0.0706	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128		4.1833	4.1833	4.0600e-003		4.2849
Total	**1.9472**	**0.0267**	**2.3217**	**1.2000e-004**		**0.0128**	**0.0128**		**0.0128**	**0.0128**	**0.0000**	**4.1833**	**4.1833**	**4.0600e-003**	**0.0000**	**4.2849**

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

Residences at Newport Center (Unmitigated)

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	81.00	Space	0.00	71,456.00	0
Other Asphalt Surfaces	11.35	1000sqft	0.26	11,346.00	0
Other Non-Asphalt Surfaces	16.60	1000sqft	0.00	16,597.00	0
Apartments Mid Rise	28.00	Dwelling Unit	1.00	85,236.00	80

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
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 - Total Project Area is 1.26 acres.

Construction Phase - Construction Schedule based on information provided in the Construction Management Plan.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Trips and VMT - For worker trips, two or more shuttle vans will run up to 6-8 trips (one way) each morning and evening and up to 5 trips (one way) at lunch time.

Demolition - Worker Trip Run Only.

Grading - Worker Trip Run Only.

Architectural Coating - Worker Trip Run Only.

Vehicle Trips - Worker Trip Run Only.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Woodstoves - Worker Trip Run Only.

Energy Use - Worker Trip Run Only.

Water And Wastewater - Worker Trip Run Only.

Solid Waste - Worker Trip Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00

tblArchitecturalCoating	EF_Residential_Exterior	50.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	2.00	70.00
tblConstructionPhase	NumDays	4.00	30.00
tblConstructionPhase	NumDays	10.00	170.00
tblConstructionPhase	NumDays	200.00	125.00
tblConstructionPhase	NumDays	10.00	50.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	5,516.00	0.00
tblEnergyUse	T24E	179.76	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24NG	5,911.46	0.00
tblFireplaces	NumberGas	23.80	0.00
tblFireplaces	NumberNoFireplace	2.80	0.00
tblFireplaces	NumberWood	1.40	0.00
tblLandUse	LandUseSquareFeet	32,400.00	71,456.00
tblLandUse	LandUseSquareFeet	28,000.00	85,236.00
tblLandUse	LotAcreage	0.73	0.00
tblLandUse	LotAcreage	0.38	0.00
tblLandUse	LotAcreage	0.74	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	12.88	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	WorkerTripLength	14.70	5.00
tblTripsAndVMT	WorkerTripLength	14.70	5.00
tblTripsAndVMT	WorkerTripLength	14.70	5.00
tblTripsAndVMT	WorkerTripLength	14.70	5.00
tblTripsAndVMT	WorkerTripLength	14.70	5.00
tblTripsAndVMT	WorkerTripLength	14.70	5.00
tblTripsAndVMT	WorkerTripNumber	0.00	84.00
tblTripsAndVMT	WorkerTripNumber	0.00	84.00
tblTripsAndVMT	WorkerTripNumber	0.00	84.00
tblTripsAndVMT	WorkerTripNumber	0.00	84.00
tblTripsAndVMT	WorkerTripNumber	62.00	84.00
tblTripsAndVMT	WorkerTripNumber	12.00	84.00
tblVehicleEF	HHD	0.47	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.51	6.08
tblVehicleEF	HHD	1.25	0.62
tblVehicleEF	HHD	4.18	0.01
tblVehicleEF	HHD	3,872.44	1,027.75
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.41	5.31
tblVehicleEF	HHD	1.83	2.44

tblVehicleEF	HHD	19.09	2.48
tblVehicleEF	HHD	0.01	3.0950e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	2.9610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.1500e-004	4.0000e-006
tblVehicleEF	HHD	4.7550e-003	1.8000e-004
tblVehicleEF	HHD	0.36	0.41
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.03
tblVehicleEF	HHD	4.2300e-004	8.2400e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.03	9.3920e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
tblVehicleEF	HHD	1.1500e-004	4.0000e-006
tblVehicleEF	HHD	4.7550e-003	1.8000e-004
tblVehicleEF	HHD	0.44	0.47
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.17
tblVehicleEF	HHD	4.2300e-004	8.2400e-004

tblVehicleEF	HHD	0.10	5.0000e-006
tblVehicleEF	HHD	0.44	0.03
tblVehicleEF	HHD	0.16	0.14
tblVehicleEF	HHD	0.06	1.0000e-006
tblVehicleEF	HHD	1.10	5.99
tblVehicleEF	HHD	1.26	0.62
tblVehicleEF	HHD	3.98	0.01
tblVehicleEF	HHD	4,102.50	1,016.72
tblVehicleEF	HHD	1,597.37	1,392.67
tblVehicleEF	HHD	13.53	0.08
tblVehicleEF	HHD	13.84	5.09
tblVehicleEF	HHD	1.73	2.31
tblVehicleEF	HHD	19.08	2.48
tblVehicleEF	HHD	0.01	2.6890e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	9.6890e-003	2.5720e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6700e-003	8.7640e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
tblVehicleEF	HHD	4.8480e-003	1.8300e-004
tblVehicleEF	HHD	0.34	0.43
tblVehicleEF	HHD	1.2200e-004	4.0000e-006

tblVehicleEF	HHD	0.08	0.03
tblVehicleEF	HHD	4.0800e-004	8.0800e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.04	9.2880e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-004	1.0000e-006
tblVehicleEF	HHD	1.6500e-004	6.0000e-006
tblVehicleEF	HHD	4.8480e-003	1.8300e-004
tblVehicleEF	HHD	0.42	0.50
tblVehicleEF	HHD	1.2200e-004	4.0000e-006
tblVehicleEF	HHD	0.26	0.17
tblVehicleEF	HHD	4.0800e-004	8.0800e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.51	0.02
tblVehicleEF	HHD	0.16	8.8300e-004
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	2.08	6.02
tblVehicleEF	HHD	1.25	0.21
tblVehicleEF	HHD	4.22	0.01
tblVehicleEF	HHD	3,554.73	1,009.39
tblVehicleEF	HHD	1,597.37	1,291.30
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tblVehicleEF	HHD	12.81	5.42
tblVehicleEF	HHD	1.80	2.33
tblVehicleEF	HHD	19.10	2.48
tblVehicleEF	HHD	0.01	3.2800e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.0810e-003	0.02
tblVehicleEF	HHD	1.2600e-004	1.0000e-006
tblVehicleEF	HHD	0.01	3.1380e-003
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	8.6700e-003	8.4900e-003
tblVehicleEF	HHD	5.8180e-003	0.02
tblVehicleEF	HHD	1.1600e-004	1.0000e-006
tblVehicleEF	HHD	1.1300e-004	4.0000e-006
tblVehicleEF	HHD	5.0850e-003	2.0000e-004
tblVehicleEF	HHD	0.39	0.37
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.08	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.09	4.0000e-006
tblVehicleEF	HHD	0.03	9.5360e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0400e-004	1.0000e-006
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tblVehicleEF	HHD	5.0850e-003	2.0000e-004
tblVehicleEF	HHD	0.48	0.42
tblVehicleEF	HHD	8.8000e-005	3.0000e-006
tblVehicleEF	HHD	0.26	0.02
tblVehicleEF	HHD	4.6100e-004	8.8000e-004
tblVehicleEF	HHD	0.10	5.0000e-006
tblVehicleEF	LDA	3.5840e-003	2.0520e-003
tblVehicleEF	LDA	3.9920e-003	0.04

tblVehicleEF	LDA	0.52	0.59
tblVehicleEF	LDA	0.92	1.99
tblVehicleEF	LDA	242.31	252.48
tblVehicleEF	LDA	53.99	51.65
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.16
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	9.0380e-003	7.5940e-003
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.4260e-003	2.4670e-003
tblVehicleEF	LDA	5.5500e-004	5.0500e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.19
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDA	3.7860e-003	2.1850e-003
tblVehicleEF	LDA	3.5910e-003	0.04
tblVehicleEF	LDA	0.56	0.64

tblVehicleEF	LDA	0.80	1.72
tblVehicleEF	LDA	252.48	262.80
tblVehicleEF	LDA	53.99	51.15
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	9.5380e-003	8.0160e-003
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.5280e-003	2.5680e-003
tblVehicleEF	LDA	5.5300e-004	5.0000e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.18
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	3.5150e-003	2.0100e-003
tblVehicleEF	LDA	4.0740e-003	0.04
tblVehicleEF	LDA	0.50	0.57
tblVehicleEF	LDA	0.95	2.05

tblVehicleEF	LDA	238.56	248.67
tblVehicleEF	LDA	53.99	51.76
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	8.8680e-003	7.4510e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.3880e-003	2.4300e-003
tblVehicleEF	LDA	5.5600e-004	5.0600e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	8.0440e-003	4.7360e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.00	1.03
tblVehicleEF	LDT1	2.24	2.17
tblVehicleEF	LDT1	303.32	299.88

tblVehicleEF	LDT1	67.98	62.37
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	3.0440e-003	2.9310e-003
tblVehicleEF	LDT1	7.1900e-004	6.1000e-004
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	8.4500e-003	5.0090e-003
tblVehicleEF	LDT1	9.9950e-003	0.06
tblVehicleEF	LDT1	1.08	1.11
tblVehicleEF	LDT1	1.93	1.87
tblVehicleEF	LDT1	315.58	310.45
tblVehicleEF	LDT1	67.98	61.79

tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.12	0.21
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.13	0.27
tblVehicleEF	LDT1	3.1680e-003	3.0340e-003
tblVehicleEF	LDT1	7.1300e-004	6.0400e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	7.9040e-003	4.6490e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	0.97	0.99
tblVehicleEF	LDT1	2.30	2.23
tblVehicleEF	LDT1	298.79	295.97
tblVehicleEF	LDT1	67.98	62.50
tblVehicleEF	LDT1	0.09	0.07

tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	2.9980e-003	2.8920e-003
tblVehicleEF	LDT1	7.2000e-004	6.1100e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33
tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
tblVehicleEF	LDT2	5.3310e-003	0.06
tblVehicleEF	LDT2	0.67	0.79
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tblVehicleEF	LDT2	76.37	67.32
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.24

tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
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tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003

tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	3.5730e-003	3.2420e-003
tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
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tblVehicleEF	LDT2	76.37	67.46
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003

tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65

tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003

tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005

tblVehicleEF	LHD1	5.7620e-003	6.2800e-003
tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003

tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28

tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05

tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.70
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.1000e-005
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
tblVehicleEF	LHD2	3.3030e-003	3.0590e-003
tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003

tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43

tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76
tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68

tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09

tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	398.17
tblVehicleEF	MDV	101.87	81.92
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30

tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	408.87
tblVehicleEF	MDV	101.87	81.18
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003

tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003
tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92
tblVehicleEF	MDV	460.81	394.22
tblVehicleEF	MDV	101.87	82.09
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003

tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.24	3.63
tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00

tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09

tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.08	1.21
tblVehicleEF	MHD	141.00	53.16
tblVehicleEF	MHD	1,129.46	1,011.60

tblVehicleEF	MHD	58.21	12.50
tblVehicleEF	MHD	0.36	0.25
tblVehicleEF	MHD	0.69	0.95
tblVehicleEF	MHD	10.82	1.53
tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	7.2000e-005	1.8900e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06

tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003

tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
tblVehicleEF	MHD	2.9330e-003	1.3720e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
tblVehicleEF	MHD	129.46	53.18
tblVehicleEF	MHD	1,129.46	1,011.60
tblVehicleEF	MHD	58.21	12.52
tblVehicleEF	MHD	0.34	0.26
tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004

tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97

tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.43	0.62
tblVehicleEF	OBUS	4.79	2.20
tblVehicleEF	OBUS	79.82	76.85
tblVehicleEF	OBUS	1,208.63	1,354.41
tblVehicleEF	OBUS	69.33	19.61
tblVehicleEF	OBUS	0.16	0.28
tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.33	0.12
tblVehicleEF	OBUS	0.01	8.5930e-003
tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56
tblVehicleEF	OBUS	0.43	0.60
tblVehicleEF	OBUS	5.09	2.34
tblVehicleEF	OBUS	71.43	78.88
tblVehicleEF	OBUS	1,208.63	1,354.38
tblVehicleEF	OBUS	69.33	19.85
tblVehicleEF	OBUS	0.15	0.31
tblVehicleEF	OBUS	0.54	0.96
tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
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tblVehicleEF	OBUS	0.04	0.24
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tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
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tblVehicleEF	SBUS	1.03	0.90
tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
tblVehicleEF	SBUS	8.42	3.59
tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12
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tblVehicleEF	SBUS	0.47	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.14	0.14
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tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	7.0990e-003
tblVehicleEF	SBUS	8.27	3.12

tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80
tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003

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tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
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tblVehicleEF	SBUS	0.01	0.06
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tblVehicleEF	SBUS	0.84	0.08
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tblVehicleEF	SBUS	0.08	8.0150e-003
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tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003

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tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
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tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	41.13
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	2,036.06
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tblVehicleEF	UBUS	3.94	0.44
tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003

tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
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tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	41.13
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	2,036.06
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tblVehicleEF	UBUS	13.05	0.16

tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	41.13
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	2,036.05

tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.44
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	0.08
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	5.39
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	1.04	0.11
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	6.39	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblWater	IndoorWaterUseRate	1,824,312.72	0.00
tblWater	OutdoorWaterUseRate	1,150,110.19	0.00
tblWoodstoves	NumberCatalytic	1.40	0.00
tblWoodstoves	NumberNoncatalytic	1.40	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					
2022	0.1575	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871	0.0000	285.5152	285.5152	6.4600e-003	0.0000	285.6766
2023	0.2894	0.1345	1.7364	5.5000e-003	0.6398	4.6300e-003	0.6444	0.1698	4.2600e-003	0.1741	0.0000	549.1680	549.1680	0.0117	0.0000	549.4597
Maximum	**0.2894**	**0.1345**	**1.7364**	**5.5000e-003**	**0.6398**	**4.6300e-003**	**0.6444**	**0.1698**	**4.2600e-003**	**0.1741**	**0.0000**	**549.1680**	**549.1680**	**0.0117**	**0.0000**	**549.4597**

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					
2022	0.1575	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871	0.0000	285.5152	285.5152	6.4600e-003	0.0000	285.6766
2023	0.2894	0.1345	1.7364	5.5000e-003	0.6398	4.6300e-003	0.6444	0.1698	4.2600e-003	0.1741	0.0000	549.1680	549.1680	0.0117	0.0000	549.4597
Maximum	**0.2894**	**0.1345**	**1.7364**	**5.5000e-003**	**0.6398**	**4.6300e-003**	**0.6444**	**0.1698**	**4.2600e-003**	**0.1741**	**0.0000**	**549.1680**	**549.1680**	**0.0117**	**0.0000**	**549.4597**

	ROG	**NOx**	**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	1.9472	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	4.1833	4.1833	4.0600e-003	0.0000	4.2849
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	**1.9472**	**0.0267**	**2.3217**	**1.2000e-004**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**4.1833**	**4.1833**	**4.0600e-003**	**0.0000**	**4.2849**

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	1.9472	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	4.1833	4.1833	4.0600e-003	0.0000	4.2849
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	**1.9472**	**0.0267**	**2.3217**	**1.2000e-004**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**4.1833**	**4.1833**	**4.0600e-003**	**0.0000**	**4.2849**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	3/21/2022	5	35	
2	Site Preparation	Site Preparation	3/22/2022	6/27/2022	5	70	
3	Grading	Grading	6/28/2022	8/8/2022	5	30	
4	Paving	Paving	8/9/2022	4/3/2023	5	170	
5	Building Construction	Building Construction	4/4/2023	9/25/2023	5	125	
6	Architectural Coating	Architectural Coating	7/18/2023	9/25/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.26

Residential Indoor: 172,603; Residential Outdoor: 57,534; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,964 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition		0			
Demolition	Air Compressors	0	8.00	78	0.48
Demolition	Bore/Drill Rigs	0	8.00	221	0.50
Demolition	Cement and Mortar Mixers	0	8.00	9	0.56

Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	0	8.00	16	0.38
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	0	8.00	402	0.38
Demolition	Other Construction Equipment	0	8.00	172	0.42
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation		0			
Site Preparation	Air Compressors	0	8.00	78	0.48
Site Preparation	Bore/Drill Rigs	0	8.00	221	0.50
Site Preparation	Cement and Mortar Mixers	0	8.00	9	0.56
Site Preparation	Dumpers/Tenders	0	8.00	16	0.38
Site Preparation	Excavators	0	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Other Construction Equipment	0	8.00	172	0.42
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading		0			
Grading		0			
Grading	Air Compressors	0	8.00	78	0.48
Grading	Bore/Drill Rigs	0	8.00	221	0.50
Grading	Cement and Mortar Mixers	0	8.00	9	0.56

Grading	Dumpers/Tenders	0	8.00	16	0.38
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Off-Highway Trucks	0	8.00	402	0.38
Grading	Other Construction Equipment	0	8.00	172	0.42
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Bore/Drill Rigs	0	8.00	221	0.50
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Cranes	0	8.00	231	0.29
Paving	Off-Highway Trucks	0	8.00	402	0.38
Paving	Pavers	0	6.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Air Compressors	0	8.00	78	0.48
Building Construction	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	0	8.00	402	0.38
Building Construction	Other Construction Equipment	0	8.00	172	0.42
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating		0			

Architectural Coating	Air Compressors	0	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	0	8.00	9	0.56
Architectural Coating	Concrete/Industrial Saws	0	8.00	81	0.73
Architectural Coating	Off-Highway Trucks	0	8.00	402	0.38
Architectural Coating	Other Construction Equipment	0	8.00	172	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1535	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		285.5152	285.5152	6.4600e-003		285.6766
Total	**0.1535**	**0.0743**	**0.9365**	**2.8700e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**285.5152**	**285.5152**	**6.4600e-003**		**285.6766**

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1535	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		285.5152	285.5152	6.4600e-003		285.6766
Total	**0.1535**	**0.0743**	**0.9365**	**2.8700e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**285.5152**	**285.5152**	**6.4600e-003**		**285.6766**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1535	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		285.5152	285.5152	6.4600e-003		285.6766
Total	**0.1535**	**0.0743**	**0.9365**	**2.8700e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**285.5152**	**285.5152**	**6.4600e-003**		**285.6766**

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1535	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		285.5152	285.5152	6.4600e-003		285.6766
Total	**0.1535**	**0.0743**	**0.9365**	**2.8700e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**285.5152**	**285.5152**	**6.4600e-003**		**285.6766**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1535	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		285.5152	285.5152	6.4600e-003		285.6766
Total	**0.1535**	**0.0743**	**0.9365**	**2.8700e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**285.5152**	**285.5152**	**6.4600e-003**		**285.6766**

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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	0.1535	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		285.5152	285.5152	6.4600e-003		285.6766
Total	**0.1535**	**0.0743**	**0.9365**	**2.8700e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**285.5152**	**285.5152**	**6.4600e-003**		**285.6766**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0100e-003**	**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	0.1535	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		285.5152	285.5152	6.4600e-003		285.6766
Total	**0.1535**	**0.0743**	**0.9365**	**2.8700e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**285.5152**	**285.5152**	**6.4600e-003**		**285.6766**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0100e-003**	**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	0.1535	0.0743	0.9365	2.8700e-003	0.3199	2.3500e-003	0.3223	0.0849	2.1700e-003	0.0871		285.5152	285.5152	6.4600e-003		285.6766
Total	**0.1535**	**0.0743**	**0.9365**	**2.8700e-003**	**0.3199**	**2.3500e-003**	**0.3223**	**0.0849**	**2.1700e-003**	**0.0871**		**285.5152**	**285.5152**	**6.4600e-003**		**285.6766**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0100e-003**	**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	0.1447	0.0673	0.8682	2.7500e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		274.5840	274.5840	5.8300e-003		274.7298
Total	**0.1447**	**0.0673**	**0.8682**	**2.7500e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**274.5840**	**274.5840**	**5.8300e-003**		**274.7298**

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Paving	4.0100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.0100e-003**	**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	0.1447	0.0673	0.8682	2.7500e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		274.5840	274.5840	5.8300e-003		274.7298
Total	**0.1447**	**0.0673**	**0.8682**	**2.7500e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**274.5840**	**274.5840**	**5.8300e-003**		**274.7298**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1447	0.0673	0.8682	2.7500e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		274.5840	274.5840	5.8300e-003		274.7298
Total	**0.1447**	**0.0673**	**0.8682**	**2.7500e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**274.5840**	**274.5840**	**5.8300e-003**		**274.7298**

3.6 Building Construction - 2023

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1447	0.0673	0.8682	2.7500e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		274.5840	274.5840	5.8300e-003		274.7298
Total	**0.1447**	**0.0673**	**0.8682**	**2.7500e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**274.5840**	**274.5840**	**5.8300e-003**		**274.7298**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

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

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	0.1447	0.0673	0.8682	2.7500e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		274.5840	274.5840	5.8300e-003		274.7298
Total	**0.1447**	**0.0673**	**0.8682**	**2.7500e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**274.5840**	**274.5840**	**5.8300e-003**		**274.7298**

3.7 Architectural Coating - 2023

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	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**

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	0.1447	0.0673	0.8682	2.7500e-003	0.3199	2.3200e-003	0.3222	0.0849	2.1300e-003	0.0870		274.5840	274.5840	5.8300e-003		274.7298
Total	**0.1447**	**0.0673**	**0.8682**	**2.7500e-003**	**0.3199**	**2.3200e-003**	**0.3222**	**0.0849**	**2.1300e-003**	**0.0870**		**274.5840**	**274.5840**	**5.8300e-003**		**274.7298**

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 Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	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		
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 Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Enclosed Parking with Elevator	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

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 Mid 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
Enclosed Parking with Elevator	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
Total		**0.0000**	**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 Mid 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
Enclosed Parking with Elevator	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
Total		**0.0000**	**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	1.9472	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	4.1833	4.1833	4.0600e-003	0.0000	4.2849
Unmitigated	1.9472	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128	0.0000	4.1833	4.1833	4.0600e-003	0.0000	4.2849

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	0.1537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7229					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	0.0706	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128		4.1833	4.1833	4.0600e-003		4.2849
Total	**1.9472**	**0.0267**	**2.3217**	**1.2000e-004**		**0.0128**	**0.0128**		**0.0128**	**0.0128**	**0.0000**	**4.1833**	**4.1833**	**4.0600e-003**	**0.0000**	**4.2849**

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	0.1537					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7229					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	0.0706	0.0267	2.3217	1.2000e-004		0.0128	0.0128		0.0128	0.0128		4.1833	4.1833	4.0600e-003		4.2849
Total	**1.9472**	**0.0267**	**2.3217**	**1.2000e-004**		**0.0128**	**0.0128**		**0.0128**	**0.0128**	**0.0000**	**4.1833**	**4.1833**	**4.0600e-003**	**0.0000**	**4.2849**

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

Residences at Newport Center (Unmitigated)

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	81.00	Space	0.00	71,456.00	0
Other Asphalt Surfaces	11.35	1000sqft	0.26	11,346.00	0
Other Non-Asphalt Surfaces	16.60	1000sqft	0.00	16,597.00	0
Apartments Mid Rise	28.00	Dwelling Unit	1.00	85,236.00	80

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
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 - Total Project Area is 1.26 acres.

Construction Phase - Construction Schedule based on information provided in the Construction Management Plan.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Off-road Equipment - Worker Trip Run Only.

Trips and VMT - For worker trips, two or more shuttle vans will run up to 6-8 trips (one way) each morning and evening and up to 5 trips (one way) at lunch time.

Demolition - Worker Trip Run Only.

Grading - Worker Trip Run Only.

Architectural Coating - Worker Trip Run Only.

Vehicle Trips - Worker Trip Run Only.

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Woodstoves - Worker Trip Run Only.

Energy Use - Worker Trip Run Only.

Water And Wastewater - Worker Trip Run Only.

Solid Waste - Worker Trip Run Only.

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00

tblArchitecturalCoating	EF_Residential_Exterior	50.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
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tblConstructionPhase	NumDays	4.00	30.00
tblConstructionPhase	NumDays	10.00	170.00
tblConstructionPhase	NumDays	200.00	125.00
tblConstructionPhase	NumDays	10.00	50.00
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tblEnergyUse	LightingElect	1.75	0.00
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tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	5,516.00	0.00
tblEnergyUse	T24E	179.76	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24NG	5,911.46	0.00
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tblFireplaces	NumberNoFireplace	2.80	0.00
tblFireplaces	NumberWood	1.40	0.00
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tblLandUse	LandUseSquareFeet	28,000.00	85,236.00
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tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblVehicleEF	LDA	0.08	0.09
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tblVehicleEF	LDA	53.99	51.76
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tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	1.8390e-003	1.5020e-003
tblVehicleEF	LDA	2.2490e-003	1.7540e-003
tblVehicleEF	LDA	1.6950e-003	1.3830e-003
tblVehicleEF	LDA	2.0680e-003	1.6130e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	8.8680e-003	7.4510e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.05	0.19
tblVehicleEF	LDA	2.3880e-003	2.4300e-003
tblVehicleEF	LDA	5.5600e-004	5.0600e-004
tblVehicleEF	LDA	0.03	0.04
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tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	8.0440e-003	4.7360e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.00	1.03
tblVehicleEF	LDT1	2.24	2.17
tblVehicleEF	LDT1	303.32	299.88

tblVehicleEF	LDT1	67.98	62.37
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	3.0440e-003	2.9310e-003
tblVehicleEF	LDT1	7.1900e-004	6.1000e-004
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.22	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.58
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	8.4500e-003	5.0090e-003
tblVehicleEF	LDT1	9.9950e-003	0.06
tblVehicleEF	LDT1	1.08	1.11
tblVehicleEF	LDT1	1.93	1.87
tblVehicleEF	LDT1	315.58	310.45
tblVehicleEF	LDT1	67.98	61.79

tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.12	0.21
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.13	0.27
tblVehicleEF	LDT1	3.1680e-003	3.0340e-003
tblVehicleEF	LDT1	7.1300e-004	6.0400e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.13	0.53
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	7.9040e-003	4.6490e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	0.97	0.99
tblVehicleEF	LDT1	2.30	2.23
tblVehicleEF	LDT1	298.79	295.97
tblVehicleEF	LDT1	67.98	62.50
tblVehicleEF	LDT1	0.09	0.07

tblVehicleEF	LDT1	0.13	0.23
tblVehicleEF	LDT1	2.3740e-003	1.9810e-003
tblVehicleEF	LDT1	3.0400e-003	2.3130e-003
tblVehicleEF	LDT1	2.1840e-003	1.8230e-003
tblVehicleEF	LDT1	2.7950e-003	2.1270e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.15	0.30
tblVehicleEF	LDT1	2.9980e-003	2.8920e-003
tblVehicleEF	LDT1	7.2000e-004	6.1100e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.25	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.17	0.33
tblVehicleEF	LDT2	4.9710e-003	3.2950e-003
tblVehicleEF	LDT2	5.3310e-003	0.06
tblVehicleEF	LDT2	0.67	0.79
tblVehicleEF	LDT2	1.19	2.52
tblVehicleEF	LDT2	342.73	321.50
tblVehicleEF	LDT2	76.37	67.32
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.24

tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.4320e-003	3.1410e-003
tblVehicleEF	LDT2	7.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	5.2490e-003	3.5000e-003
tblVehicleEF	LDT2	4.8000e-003	0.05
tblVehicleEF	LDT2	0.73	0.86
tblVehicleEF	LDT2	1.03	2.18
tblVehicleEF	LDT2	356.77	331.76
tblVehicleEF	LDT2	76.37	66.67
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003

tblVehicleEF	LDT2	2.2690e-003	1.7020e-003
tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	3.5730e-003	3.2420e-003
tblVehicleEF	LDT2	7.8100e-004	6.5200e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	4.8770e-003	3.2300e-003
tblVehicleEF	LDT2	5.4400e-003	0.06
tblVehicleEF	LDT2	0.65	0.76
tblVehicleEF	LDT2	1.22	2.60
tblVehicleEF	LDT2	337.54	317.72
tblVehicleEF	LDT2	76.37	67.46
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.09	0.25
tblVehicleEF	LDT2	1.8340e-003	1.5140e-003
tblVehicleEF	LDT2	2.2690e-003	1.7020e-003

tblVehicleEF	LDT2	1.6860e-003	1.3930e-003
tblVehicleEF	LDT2	2.0860e-003	1.5650e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.07	0.28
tblVehicleEF	LDT2	3.3800e-003	3.1040e-003
tblVehicleEF	LDT2	7.8400e-004	6.5900e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.44
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LHD1	5.1440e-003	5.3850e-003
tblVehicleEF	LHD1	8.3180e-003	4.0630e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.21	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.60
tblVehicleEF	LHD1	31.08	11.73
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.07	0.65

tblVehicleEF	LHD1	0.93	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5200e-004	1.1600e-004
tblVehicleEF	LHD1	2.5990e-003	2.0070e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6860e-003	1.3020e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.27	0.42
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3960e-003

tblVehicleEF	LHD1	8.4720e-003	4.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.65	0.47
tblVehicleEF	LHD1	2.11	0.96
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.61
tblVehicleEF	LHD1	31.08	11.65
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.00	0.61
tblVehicleEF	LHD1	0.90	0.30
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003
tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005

tblVehicleEF	LHD1	5.7620e-003	6.2800e-003
tblVehicleEF	LHD1	3.5100e-004	1.1500e-004
tblVehicleEF	LHD1	3.6240e-003	2.8070e-003
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2760e-003	1.7670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.26	0.40
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	5.1440e-003	5.3820e-003
tblVehicleEF	LHD1	8.2770e-003	4.0460e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.64	0.46
tblVehicleEF	LHD1	2.22	1.00
tblVehicleEF	LHD1	9.05	8.94
tblVehicleEF	LHD1	587.85	643.59
tblVehicleEF	LHD1	31.08	11.74
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.05	0.64
tblVehicleEF	LHD1	0.94	0.31
tblVehicleEF	LHD1	8.7400e-004	8.1200e-004
tblVehicleEF	LHD1	0.01	9.7540e-003
tblVehicleEF	LHD1	9.7940e-003	6.6440e-003
tblVehicleEF	LHD1	8.1700e-004	2.3200e-004
tblVehicleEF	LHD1	8.3600e-004	7.7700e-004
tblVehicleEF	LHD1	2.5470e-003	2.4380e-003

tblVehicleEF	LHD1	9.3500e-003	6.3320e-003
tblVehicleEF	LHD1	7.5200e-004	2.1400e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	9.1000e-005	8.7000e-005
tblVehicleEF	LHD1	5.7610e-003	6.2800e-003
tblVehicleEF	LHD1	3.5300e-004	1.1600e-004
tblVehicleEF	LHD1	2.6790e-003	2.0730e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7000e-003	1.3160e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.45
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD2	3.7290e-003	3.8790e-003
tblVehicleEF	LHD2	3.3120e-003	3.0660e-003
tblVehicleEF	LHD2	7.2560e-003	9.8120e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28

tblVehicleEF	LHD2	26.72	9.28
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.74
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7400e-004	1.2830e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8200e-004	8.5800e-004
tblVehicleEF	LHD2	0.05	0.05

tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8870e-003
tblVehicleEF	LHD2	3.3450e-003	3.0940e-003
tblVehicleEF	LHD2	7.0320e-003	9.5030e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.13	0.65
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.28
tblVehicleEF	LHD2	26.72	9.23
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.70
tblVehicleEF	LHD2	0.49	0.21
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003
tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.04	0.04

tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.1000e-005
tblVehicleEF	LHD2	1.3660e-003	1.7960e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	9.2300e-004	1.1650e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.25
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.7290e-003	3.8780e-003
tblVehicleEF	LHD2	3.3030e-003	3.0590e-003
tblVehicleEF	LHD2	7.3020e-003	9.8750e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.29	0.34
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.67	13.53
tblVehicleEF	LHD2	604.69	653.27
tblVehicleEF	LHD2	26.72	9.29
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.63	0.73
tblVehicleEF	LHD2	0.51	0.22
tblVehicleEF	LHD2	1.1580e-003	1.2540e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8100e-003	9.7310e-003

tblVehicleEF	LHD2	4.1000e-004	1.3400e-004
tblVehicleEF	LHD2	1.1080e-003	1.2000e-003
tblVehicleEF	LHD2	2.6650e-003	2.6360e-003
tblVehicleEF	LHD2	8.4170e-003	9.2960e-003
tblVehicleEF	LHD2	3.7700e-004	1.2300e-004
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3000e-004
tblVehicleEF	LHD2	5.8880e-003	6.3220e-003
tblVehicleEF	LHD2	2.8800e-004	9.2000e-005
tblVehicleEF	LHD2	9.7300e-004	1.2990e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.7600e-004	8.5100e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.28
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.11	18.34
tblVehicleEF	MCY	9.59	8.48
tblVehicleEF	MCY	178.39	214.43

tblVehicleEF	MCY	44.52	59.44
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.35	2.37
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.1510e-003	2.1220e-003
tblVehicleEF	MCY	6.6200e-004	5.8800e-004
tblVehicleEF	MCY	1.13	1.15
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.69	0.71
tblVehicleEF	MCY	2.93	2.94
tblVehicleEF	MCY	0.62	1.91
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.48	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.46	17.67
tblVehicleEF	MCY	8.83	7.76
tblVehicleEF	MCY	178.39	213.16
tblVehicleEF	MCY	44.52	57.68

tblVehicleEF	MCY	0.98	0.98
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.30	2.31
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.1390e-003	2.1090e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.69	1.73
tblVehicleEF	MCY	0.71	0.73
tblVehicleEF	MCY	1.10	1.12
tblVehicleEF	MCY	2.86	2.87
tblVehicleEF	MCY	0.58	1.79
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.49	0.35
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.21	18.44
tblVehicleEF	MCY	9.71	8.60
tblVehicleEF	MCY	178.39	214.62
tblVehicleEF	MCY	44.52	59.76
tblVehicleEF	MCY	1.09	1.09

tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2180e-003	2.2000e-003
tblVehicleEF	MCY	3.6330e-003	3.0780e-003
tblVehicleEF	MCY	2.0720e-003	2.0560e-003
tblVehicleEF	MCY	3.4160e-003	2.8940e-003
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.36	2.38
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.1530e-003	2.1240e-003
tblVehicleEF	MCY	6.6500e-004	5.9100e-004
tblVehicleEF	MCY	1.25	1.27
tblVehicleEF	MCY	0.86	0.88
tblVehicleEF	MCY	0.73	0.75
tblVehicleEF	MCY	2.94	2.95
tblVehicleEF	MCY	0.71	2.20
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	9.1870e-003	4.2220e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.90
tblVehicleEF	MDV	2.15	2.83
tblVehicleEF	MDV	467.69	398.17
tblVehicleEF	MDV	101.87	81.92
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.19	0.30

tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	4.6820e-003	3.8880e-003
tblVehicleEF	MDV	1.0560e-003	8.0100e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.37
tblVehicleEF	MDV	9.6820e-003	4.4790e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.13	0.98
tblVehicleEF	MDV	1.86	2.44
tblVehicleEF	MDV	486.30	408.87
tblVehicleEF	MDV	101.87	81.18
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.18	0.28
tblVehicleEF	MDV	1.8820e-003	1.6170e-003

tblVehicleEF	MDV	2.2700e-003	1.7980e-003
tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.14	0.31
tblVehicleEF	MDV	4.8690e-003	3.9930e-003
tblVehicleEF	MDV	1.0510e-003	7.9300e-004
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.09	0.37
tblVehicleEF	MDV	0.16	0.34
tblVehicleEF	MDV	9.0170e-003	4.1400e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.01	0.87
tblVehicleEF	MDV	2.21	2.92
tblVehicleEF	MDV	460.81	394.22
tblVehicleEF	MDV	101.87	82.09
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	1.8820e-003	1.6170e-003
tblVehicleEF	MDV	2.2700e-003	1.7980e-003

tblVehicleEF	MDV	1.7350e-003	1.4910e-003
tblVehicleEF	MDV	2.0880e-003	1.6540e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	4.6120e-003	3.8500e-003
tblVehicleEF	MDV	1.0570e-003	8.0200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.38
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.49	0.29
tblVehicleEF	MH	4.71	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.24	3.63
tblVehicleEF	MH	0.70	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00

tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5000e-004	0.00
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.53	0.29
tblVehicleEF	MH	4.46	0.00
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tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.16	3.44
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.03	0.09

tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.27	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.4600e-004	0.00
tblVehicleEF	MH	1.07	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.48	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.29	0.00
tblVehicleEF	MH	0.02	3.1970e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	1.48	0.29
tblVehicleEF	MH	4.74	0.00
tblVehicleEF	MH	1,100.52	962.53
tblVehicleEF	MH	56.84	0.00
tblVehicleEF	MH	1.22	3.57
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.01	0.02

tblVehicleEF	MH	0.03	0.09
tblVehicleEF	MH	9.3800e-004	0.00
tblVehicleEF	MH	3.2410e-003	4.0000e-003
tblVehicleEF	MH	0.03	0.08
tblVehicleEF	MH	8.6200e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.28	0.00
tblVehicleEF	MH	0.01	9.0990e-003
tblVehicleEF	MH	6.5100e-004	0.00
tblVehicleEF	MH	0.87	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.37	0.00
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.00
tblVehicleEF	MHD	0.02	4.7660e-003
tblVehicleEF	MHD	2.9430e-003	1.3810e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.33	0.39
tblVehicleEF	MHD	0.26	0.19
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tblVehicleEF	MHD	1,129.46	1,011.60

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tblVehicleEF	MHD	7.6000e-005	1.9800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	7.2000e-005	1.8900e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.31	0.06
tblVehicleEF	MHD	1.3570e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7100e-004	1.2400e-004
tblVehicleEF	MHD	9.9700e-004	4.8100e-004
tblVehicleEF	MHD	0.04	0.02
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tblVehicleEF	MHD	6.7900e-004	3.4300e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.34	0.06

tblVehicleEF	MHD	0.01	4.5190e-003
tblVehicleEF	MHD	2.9770e-003	1.4070e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.24	0.32
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	4.84	1.16
tblVehicleEF	MHD	149.34	53.14
tblVehicleEF	MHD	1,129.46	1,011.61
tblVehicleEF	MHD	58.21	12.40
tblVehicleEF	MHD	0.37	0.24
tblVehicleEF	MHD	0.65	0.90
tblVehicleEF	MHD	10.79	1.52
tblVehicleEF	MHD	6.4000e-005	1.6900e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	6.1000e-005	1.6200e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.4350e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003

tblVehicleEF	MHD	6.6700e-004	1.2300e-004
tblVehicleEF	MHD	1.4050e-003	6.7900e-004
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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3200e-004	4.6900e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	5.1220e-003
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tblVehicleEF	MHD	0.46	0.48
tblVehicleEF	MHD	0.26	0.19
tblVehicleEF	MHD	5.12	1.22
tblVehicleEF	MHD	129.46	53.18
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tblVehicleEF	MHD	0.68	0.93
tblVehicleEF	MHD	10.83	1.53
tblVehicleEF	MHD	9.2000e-005	2.3800e-004
tblVehicleEF	MHD	2.7910e-003	5.6980e-003
tblVehicleEF	MHD	7.2300e-004	1.1500e-004
tblVehicleEF	MHD	8.8000e-005	2.2700e-004
tblVehicleEF	MHD	2.6680e-003	5.4460e-003
tblVehicleEF	MHD	6.6500e-004	1.0600e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004

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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2480e-003	5.0600e-004
tblVehicleEF	MHD	0.01	9.6790e-003
tblVehicleEF	MHD	6.7200e-004	1.2400e-004
tblVehicleEF	MHD	1.0150e-003	4.8000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.8500e-004	3.4100e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	OBUS	0.01	8.6760e-003
tblVehicleEF	OBUS	5.8760e-003	4.8660e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.55
tblVehicleEF	OBUS	0.43	0.61
tblVehicleEF	OBUS	5.05	2.32
tblVehicleEF	OBUS	76.29	77.70
tblVehicleEF	OBUS	1,208.63	1,354.39
tblVehicleEF	OBUS	69.33	19.82
tblVehicleEF	OBUS	0.15	0.29
tblVehicleEF	OBUS	0.55	0.97

tblVehicleEF	OBUS	1.99	0.75
tblVehicleEF	OBUS	1.4000e-005	9.8000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.3000e-005	9.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	7.4000e-004	7.4100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9600e-004
tblVehicleEF	OBUS	1.3670e-003	1.7570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.5000e-004	9.4800e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.23
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.7520e-003
tblVehicleEF	OBUS	5.9810e-003	4.9690e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.43	0.62
tblVehicleEF	OBUS	4.79	2.20
tblVehicleEF	OBUS	79.82	76.85
tblVehicleEF	OBUS	1,208.63	1,354.41
tblVehicleEF	OBUS	69.33	19.61
tblVehicleEF	OBUS	0.16	0.28
tblVehicleEF	OBUS	0.51	0.91
tblVehicleEF	OBUS	1.96	0.74
tblVehicleEF	OBUS	1.2000e-005	8.7000e-005
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.1000e-005	8.3000e-005
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	7.7400e-004	7.3200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.9400e-004
tblVehicleEF	OBUS	1.8810e-003	2.4020e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.0260e-003	1.2830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.22
tblVehicleEF	OBUS	0.33	0.12
tblVehicleEF	OBUS	0.01	8.5930e-003
tblVehicleEF	OBUS	5.8450e-003	4.8360e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56
tblVehicleEF	OBUS	0.43	0.60
tblVehicleEF	OBUS	5.09	2.34
tblVehicleEF	OBUS	71.43	78.88
tblVehicleEF	OBUS	1,208.63	1,354.38
tblVehicleEF	OBUS	69.33	19.85
tblVehicleEF	OBUS	0.15	0.31
tblVehicleEF	OBUS	0.54	0.96
tblVehicleEF	OBUS	2.00	0.75
tblVehicleEF	OBUS	1.7000e-005	1.1300e-004
tblVehicleEF	OBUS	2.3250e-003	6.0790e-003
tblVehicleEF	OBUS	8.7700e-004	1.9900e-004
tblVehicleEF	OBUS	1.6000e-005	1.0800e-004
tblVehicleEF	OBUS	2.2060e-003	5.8000e-003
tblVehicleEF	OBUS	8.0600e-004	1.8300e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	6.9400e-004	7.5200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8300e-004	1.9600e-004
tblVehicleEF	OBUS	1.3790e-003	1.7850e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	7.4200e-004	9.4300e-004
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.24
tblVehicleEF	OBUS	0.35	0.13
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.9040e-003
tblVehicleEF	SBUS	0.08	7.9000e-003
tblVehicleEF	SBUS	8.38	3.16
tblVehicleEF	SBUS	1.03	0.90
tblVehicleEF	SBUS	8.97	1.09
tblVehicleEF	SBUS	1,100.64	359.03
tblVehicleEF	SBUS	1,073.61	1,094.78
tblVehicleEF	SBUS	56.82	6.39
tblVehicleEF	SBUS	8.42	3.59
tblVehicleEF	SBUS	3.91	5.50
tblVehicleEF	SBUS	11.93	0.68
tblVehicleEF	SBUS	8.0260e-003	5.0550e-003
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	7.6790e-003	4.8360e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.47	0.05
tblVehicleEF	SBUS	0.01	3.4300e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	6.3000e-005
tblVehicleEF	SBUS	3.3970e-003	1.1280e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	1.9330e-003	6.2400e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.07	7.0990e-003
tblVehicleEF	SBUS	8.27	3.12

tblVehicleEF	SBUS	1.04	0.91
tblVehicleEF	SBUS	7.41	0.90
tblVehicleEF	SBUS	1,149.38	368.93
tblVehicleEF	SBUS	1,073.61	1,094.80
tblVehicleEF	SBUS	56.82	6.07
tblVehicleEF	SBUS	8.69	3.69
tblVehicleEF	SBUS	3.69	5.19
tblVehicleEF	SBUS	11.90	0.68
tblVehicleEF	SBUS	6.7660e-003	4.2670e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	6.4740e-003	4.0820e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.01	3.5240e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9700e-004	6.0000e-005
tblVehicleEF	SBUS	4.6630e-003	1.5460e-003

tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.44	0.54
tblVehicleEF	SBUS	2.6350e-003	8.4900e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.46	0.05
tblVehicleEF	SBUS	0.84	0.08
tblVehicleEF	SBUS	0.02	9.8710e-003
tblVehicleEF	SBUS	0.08	8.0150e-003
tblVehicleEF	SBUS	8.52	3.21
tblVehicleEF	SBUS	1.02	0.89
tblVehicleEF	SBUS	9.12	1.11
tblVehicleEF	SBUS	1,033.33	345.35
tblVehicleEF	SBUS	1,073.61	1,094.77
tblVehicleEF	SBUS	56.82	6.42
tblVehicleEF	SBUS	8.05	3.46
tblVehicleEF	SBUS	3.84	5.41
tblVehicleEF	SBUS	11.94	0.68
tblVehicleEF	SBUS	9.7670e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.8700e-004	7.2000e-005
tblVehicleEF	SBUS	9.3440e-003	5.8770e-003
tblVehicleEF	SBUS	2.6630e-003	2.6320e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	9.0700e-004	6.6000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003

tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.48	0.05
tblVehicleEF	SBUS	0.01	3.3010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2600e-004	6.4000e-005
tblVehicleEF	SBUS	3.3440e-003	1.1180e-003
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.45	0.54
tblVehicleEF	SBUS	1.8840e-003	6.0700e-004
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.52	0.05
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.06	41.13
tblVehicleEF	UBUS	12.43	1.81
tblVehicleEF	UBUS	1,803.73	2,036.06
tblVehicleEF	UBUS	136.85	20.35
tblVehicleEF	UBUS	3.94	0.44
tblVehicleEF	UBUS	13.12	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003

tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.94	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5920e-003	2.0100e-004
tblVehicleEF	UBUS	5.8750e-003	1.0300e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	3.5880e-003	6.5300e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	1.03	0.11
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	8.11	41.13
tblVehicleEF	UBUS	10.96	1.61
tblVehicleEF	UBUS	1,803.73	2,036.06
tblVehicleEF	UBUS	136.85	20.00
tblVehicleEF	UBUS	3.69	0.44
tblVehicleEF	UBUS	13.05	0.16

tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	0.44	0.08
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.87	0.09
tblVehicleEF	UBUS	8.5780e-003	3.8200e-003
tblVehicleEF	UBUS	1.5670e-003	1.9800e-004
tblVehicleEF	UBUS	7.8850e-003	1.4240e-003
tblVehicleEF	UBUS	0.09	0.01
tblVehicleEF	UBUS	4.7730e-003	9.0800e-004
tblVehicleEF	UBUS	2.18	5.39
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	1.69	5.27
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	8.05	41.13
tblVehicleEF	UBUS	12.68	1.85
tblVehicleEF	UBUS	1,803.73	2,036.05

tblVehicleEF	UBUS	136.85	20.41
tblVehicleEF	UBUS	3.86	0.44
tblVehicleEF	UBUS	13.14	0.17
tblVehicleEF	UBUS	0.52	0.08
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.03	3.0690e-003
tblVehicleEF	UBUS	1.2820e-003	1.7000e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	7.5850e-003
tblVehicleEF	UBUS	0.03	2.9230e-003
tblVehicleEF	UBUS	1.1780e-003	1.5600e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	0.43	0.08
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	0.95	0.10
tblVehicleEF	UBUS	8.5770e-003	3.8200e-003
tblVehicleEF	UBUS	1.5960e-003	2.0200e-004
tblVehicleEF	UBUS	6.5460e-003	1.0520e-003
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	3.7380e-003	6.3700e-004
tblVehicleEF	UBUS	2.17	5.39
tblVehicleEF	UBUS	0.04	0.08
tblVehicleEF	UBUS	1.04	0.11
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	6.39	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblWater	IndoorWaterUseRate	1,824,312.72	0.00
tblWater	OutdoorWaterUseRate	1,150,110.19	0.00
tblWoodstoves	NumberCatalytic	1.40	0.00
tblWoodstoves	NumberNoncatalytic	1.40	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					
2022	0.0169	9.0600e-003	0.1136	3.5000e-004	0.0376	2.8000e-004	0.0378	9.9800e-003	2.6000e-004	0.0102	0.0000	31.4111	31.4111	7.1000e-004	0.0000	31.4287
2023	0.0160	8.2700e-003	0.1063	3.4000e-004	0.0379	2.8000e-004	0.0381	0.0101	2.6000e-004	0.0103	0.0000	30.4608	30.4608	6.4000e-004	0.0000	30.4769
Maximum	**0.0169**	**9.0600e-003**	**0.1136**	**3.5000e-004**	**0.0379**	**2.8000e-004**	**0.0381**	**0.0101**	**2.6000e-004**	**0.0103**	**0.0000**	**31.4111**	**31.4111**	**7.1000e-004**	**0.0000**	**31.4287**

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					
2022	0.0169	9.0600e-003	0.1136	3.5000e-004	0.0376	2.8000e-004	0.0378	9.9800e-003	2.6000e-004	0.0102	0.0000	31.4111	31.4111	7.1000e-004	0.0000	31.4287
2023	0.0160	8.2700e-003	0.1063	3.4000e-004	0.0379	2.8000e-004	0.0381	0.0101	2.6000e-004	0.0103	0.0000	30.4608	30.4608	6.4000e-004	0.0000	30.4769
Maximum	**0.0169**	**9.0600e-003**	**0.1136**	**3.5000e-004**	**0.0379**	**2.8000e-004**	**0.0381**	**0.0101**	**2.6000e-004**	**0.0103**	**0.0000**	**31.4111**	**31.4111**	**7.1000e-004**	**0.0000**	**31.4287**

	ROG	**NOx**	**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)
1	2-1-2022	4-30-2022	0.0071	0.0071
2	5-1-2022	7-31-2022	0.0069	0.0069
3	8-1-2022	10-31-2022	0.0072	0.0072
4	11-1-2022	1-31-2023	0.0074	0.0074
5	2-1-2023	4-30-2023	0.0067	0.0067
6	5-1-2023	7-31-2023	0.0074	0.0074
7	8-1-2023	9-30-2023	0.0078	0.0078
		Highest	0.0078	0.0078

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	0.3513	3.3400e-003	0.2902	2.0000e-005		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	0.4744	0.4744	4.6000e-004	0.0000	0.4859
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	**0.3513**	**3.3400e-003**	**0.2902**	**2.0000e-005**	**0.0000**	**1.6000e-003**	**1.6000e-003**	**0.0000**	**1.6000e-003**	**1.6000e-003**	**0.0000**	**0.4744**	**0.4744**	**4.6000e-004**	**0.0000**	**0.4859**

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	0.3513	3.3400e-003	0.2902	2.0000e-005		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	0.4744	0.4744	4.6000e-004	0.0000	0.4859
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	**0.3513**	**3.3400e-003**	**0.2902**	**2.0000e-005**	**0.0000**	**1.6000e-003**	**1.6000e-003**	**0.0000**	**1.6000e-003**	**1.6000e-003**	**0.0000**	**0.4744**	**0.4744**	**4.6000e-004**	**0.0000**	**0.4859**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2022	3/21/2022	5	35	
2	Site Preparation	Site Preparation	3/22/2022	6/27/2022	5	70	
3	Grading	Grading	6/28/2022	8/8/2022	5	30	
4	Paving	Paving	8/9/2022	4/3/2023	5	170	
5	Building Construction	Building Construction	4/4/2023	9/25/2023	5	125	
6	Architectural Coating	Architectural Coating	7/18/2023	9/25/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.26

Residential Indoor: 172,603; Residential Outdoor: 57,534; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,964 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition		0			
Demolition	Air Compressors	0	8.00	78	0.48
Demolition	Bore/Drill Rigs	0	8.00	221	0.50
Demolition	Cement and Mortar Mixers	0	8.00	9	0.56
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	0	8.00	16	0.38
Demolition	Excavators	0	8.00	158	0.38
Demolition	Off-Highway Trucks	0	8.00	402	0.38
Demolition	Other Construction Equipment	0	8.00	172	0.42
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation		0			
Site Preparation	Air Compressors	0	8.00	78	0.48
Site Preparation	Bore/Drill Rigs	0	8.00	221	0.50
Site Preparation	Cement and Mortar Mixers	0	8.00	9	0.56
Site Preparation	Dumpers/Tenders	0	8.00	16	0.38
Site Preparation	Excavators	0	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	0	8.00	402	0.38
Site Preparation	Other Construction Equipment	0	8.00	172	0.42
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading		0			
Grading		0			
Grading	Air Compressors	0	8.00	78	0.48
Grading	Bore/Drill Rigs	0	8.00	221	0.50
Grading	Cement and Mortar Mixers	0	8.00	9	0.56
Grading	Dumpers/Tenders	0	8.00	16	0.38
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Off-Highway Trucks	0	8.00	402	0.38
Grading	Other Construction Equipment	0	8.00	172	0.42
Grading	Rubber Tired Dozers	0	6.00	247	0.40

Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Bore/Drill Rigs	0	8.00	221	0.50
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Cranes	0	8.00	231	0.29
Paving	Off-Highway Trucks	0	8.00	402	0.38
Paving	Pavers	0	6.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Air Compressors	0	8.00	78	0.48
Building Construction	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	0	8.00	402	0.38
Building Construction	Other Construction Equipment	0	8.00	172	0.42
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating		0			
Architectural Coating	Air Compressors	0	8.00	78	0.48
Architectural Coating	Cement and Mortar Mixers	0	8.00	9	0.56
Architectural Coating	Concrete/Industrial Saws	0	8.00	81	0.73
Architectural Coating	Off-Highway Trucks	0	8.00	402	0.38
Architectural Coating	Other Construction Equipment	0	8.00	172	0.42

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	84.00	0.00	0.00	5.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

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

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	1.3300e-003	0.0166	5.0000e-005	5.5000e-003	4.0000e-005	5.5400e-003	1.4600e-003	4.0000e-005	1.5000e-003	0.0000	4.6000	4.6000	1.0000e-004	0.0000	4.6025
Total	**2.4500e-003**	**1.3300e-003**	**0.0166**	**5.0000e-005**	**5.5000e-003**	**4.0000e-005**	**5.5400e-003**	**1.4600e-003**	**4.0000e-005**	**1.5000e-003**	**0.0000**	**4.6000**	**4.6000**	**1.0000e-004**	**0.0000**	**4.6025**

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**

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4500e-003	1.3300e-003	0.0166	5.0000e-005	5.5000e-003	4.0000e-005	5.5400e-003	1.4600e-003	4.0000e-005	1.5000e-003	0.0000	4.6000	4.6000	1.0000e-004	0.0000	4.6025
Total	**2.4500e-003**	**1.3300e-003**	**0.0166**	**5.0000e-005**	**5.5000e-003**	**4.0000e-005**	**5.5400e-003**	**1.4600e-003**	**4.0000e-005**	**1.5000e-003**	**0.0000**	**4.6000**	**4.6000**	**1.0000e-004**	**0.0000**	**4.6025**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-003	2.6500e-003	0.0333	1.0000e-004	0.0110	8.0000e-005	0.0111	2.9200e-003	8.0000e-005	3.0000e-003	0.0000	9.1999	9.1999	2.1000e-004	0.0000	9.2051
Total	**4.9000e-003**	**2.6500e-003**	**0.0333**	**1.0000e-004**	**0.0110**	**8.0000e-005**	**0.0111**	**2.9200e-003**	**8.0000e-005**	**3.0000e-003**	**0.0000**	**9.1999**	**9.1999**	**2.1000e-004**	**0.0000**	**9.2051**

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**

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-003	2.6500e-003	0.0333	1.0000e-004	0.0110	8.0000e-005	0.0111	2.9200e-003	8.0000e-005	3.0000e-003	0.0000	9.1999	9.1999	2.1000e-004	0.0000	9.2051
Total	**4.9000e-003**	**2.6500e-003**	**0.0333**	**1.0000e-004**	**0.0110**	**8.0000e-005**	**0.0111**	**2.9200e-003**	**8.0000e-005**	**3.0000e-003**	**0.0000**	**9.1999**	**9.1999**	**2.1000e-004**	**0.0000**	**9.2051**

3.4 Grading - 2022

Unmitigated Construction On-Site

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

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-003	1.1400e-003	0.0143	4.0000e-005	4.7100e-003	4.0000e-005	4.7500e-003	1.2500e-003	3.0000e-005	1.2900e-003	0.0000	3.9428	3.9428	9.0000e-005	0.0000	3.9450
Total	**2.1000e-003**	**1.1400e-003**	**0.0143**	**4.0000e-005**	**4.7100e-003**	**4.0000e-005**	**4.7500e-003**	**1.2500e-003**	**3.0000e-005**	**1.2900e-003**	**0.0000**	**3.9428**	**3.9428**	**9.0000e-005**	**0.0000**	**3.9450**

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**

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-003	1.1400e-003	0.0143	4.0000e-005	4.7100e-003	4.0000e-005	4.7500e-003	1.2500e-003	3.0000e-005	1.2900e-003	0.0000	3.9428	3.9428	9.0000e-005	0.0000	3.9450
Total	**2.1000e-003**	**1.1400e-003**	**0.0143**	**4.0000e-005**	**4.7100e-003**	**4.0000e-005**	**4.7500e-003**	**1.2500e-003**	**3.0000e-005**	**1.2900e-003**	**0.0000**	**3.9428**	**3.9428**	**9.0000e-005**	**0.0000**	**3.9450**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	2.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2800e-003	3.9400e-003	0.0494	1.5000e-004	0.0163	1.2000e-004	0.0165	4.3400e-003	1.1000e-004	4.4600e-003	0.0000	13.6684	13.6684	3.1000e-004	0.0000	13.6761
Total	**7.2800e-003**	**3.9400e-003**	**0.0494**	**1.5000e-004**	**0.0163**	**1.2000e-004**	**0.0165**	**4.3400e-003**	**1.1000e-004**	**4.4600e-003**	**0.0000**	**13.6684**	**13.6684**	**3.1000e-004**	**0.0000**	**13.6761**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	2.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2800e-003	3.9400e-003	0.0494	1.5000e-004	0.0163	1.2000e-004	0.0165	4.3400e-003	1.1000e-004	4.4600e-003	0.0000	13.6684	13.6684	3.1000e-004	0.0000	13.6761
Total	**7.2800e-003**	**3.9400e-003**	**0.0494**	**1.5000e-004**	**0.0163**	**1.2000e-004**	**0.0165**	**4.3400e-003**	**1.1000e-004**	**4.4600e-003**	**0.0000**	**13.6684**	**13.6684**	**3.1000e-004**	**0.0000**	**13.6761**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3500e-003	2.2600e-003	0.0291	9.0000e-005	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	8.3420	8.3420	1.8000e-004	0.0000	8.3464
Total	**4.3500e-003**	**2.2600e-003**	**0.0291**	**9.0000e-005**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7600e-003**	**7.0000e-005**	**2.8300e-003**	**0.0000**	**8.3420**	**8.3420**	**1.8000e-004**	**0.0000**	**8.3464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3500e-003	2.2600e-003	0.0291	9.0000e-005	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	8.3420	8.3420	1.8000e-004	0.0000	8.3464
Total	**4.3500e-003**	**2.2600e-003**	**0.0291**	**9.0000e-005**	**0.0104**	**8.0000e-005**	**0.0105**	**2.7600e-003**	**7.0000e-005**	**2.8300e-003**	**0.0000**	**8.3420**	**8.3420**	**1.8000e-004**	**0.0000**	**8.3464**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

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

3.6 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	8.2400e-003	4.2900e-003	0.0551	1.7000e-004	0.0196	1.4000e-004	0.0198	5.2200e-003	1.3000e-004	5.3500e-003	0.0000	15.7992	15.7992	3.3000e-004	0.0000	15.8075
Total	**8.2400e-003**	**4.2900e-003**	**0.0551**	**1.7000e-004**	**0.0196**	**1.4000e-004**	**0.0198**	**5.2200e-003**	**1.3000e-004**	**5.3500e-003**	**0.0000**	**15.7992**	**15.7992**	**3.3000e-004**	**0.0000**	**15.8075**

Mitigated Construction On-Site

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

3.6 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	8.2400e-003	4.2900e-003	0.0551	1.7000e-004	0.0196	1.4000e-004	0.0198	5.2200e-003	1.3000e-004	5.3500e-003	0.0000	15.7992	15.7992	3.3000e-004	0.0000	15.8075
Total	**8.2400e-003**	**4.2900e-003**	**0.0551**	**1.7000e-004**	**0.0196**	**1.4000e-004**	**0.0198**	**5.2200e-003**	**1.3000e-004**	**5.3500e-003**	**0.0000**	**15.7992**	**15.7992**	**3.3000e-004**	**0.0000**	**15.8075**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

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

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	1.7200e-003	0.0220	7.0000e-005	7.8600e-003	6.0000e-005	7.9100e-003	2.0900e-003	5.0000e-005	2.1400e-003	0.0000	6.3197	6.3197	1.3000e-004	0.0000	6.3230
Total	**3.3000e-003**	**1.7200e-003**	**0.0220**	**7.0000e-005**	**7.8600e-003**	**6.0000e-005**	**7.9100e-003**	**2.0900e-003**	**5.0000e-005**	**2.1400e-003**	**0.0000**	**6.3197**	**6.3197**	**1.3000e-004**	**0.0000**	**6.3230**

Mitigated Construction On-Site

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

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	1.7200e-003	0.0220	7.0000e-005	7.8600e-003	6.0000e-005	7.9100e-003	2.0900e-003	5.0000e-005	2.1400e-003	0.0000	6.3197	6.3197	1.3000e-004	0.0000	6.3230
Total	**3.3000e-003**	**1.7200e-003**	**0.0220**	**7.0000e-005**	**7.8600e-003**	**6.0000e-005**	**7.9100e-003**	**2.0900e-003**	**5.0000e-005**	**2.1400e-003**	**0.0000**	**6.3197**	**6.3197**	**1.3000e-004**	**0.0000**	**6.3230**

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 Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	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		
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 Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Enclosed Parking with Elevator	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904
Other Non-Asphalt Surfaces	0.563406	0.043070	0.209298	0.109958	0.015015	0.005784	0.026182	0.017546	0.001775	0.001524	0.004941	0.000598	0.000904

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 Mid 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
Enclosed Parking with Elevator	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
Total		**0.0000**	**0.0000**	**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 Mid 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
Enclosed Parking with Elevator	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
Total		**0.0000**	**0.0000**	**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 Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	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
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 Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	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
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	0.3513	3.3400e-003	0.2902	2.0000e-005		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	0.4744	0.4744	4.6000e-004	0.0000	0.4859
Unmitigated	0.3513	3.3400e-003	0.2902	2.0000e-005		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	0.4744	0.4744	4.6000e-004	0.0000	0.4859

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	0.0281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3144					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	8.8300e-003	3.3400e-003	0.2902	2.0000e-005		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	0.4744	0.4744	4.6000e-004	0.0000	0.4859
Total	**0.3513**	**3.3400e-003**	**0.2902**	**2.0000e-005**		**1.6000e-003**	**1.6000e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**0.4744**	**0.4744**	**4.6000e-004**	**0.0000**	**0.4859**

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	0.0281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3144					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	8.8300e-003	3.3400e-003	0.2902	2.0000e-005		1.6000e-003	1.6000e-003		1.6000e-003	1.6000e-003	0.0000	0.4744	0.4744	4.6000e-004	0.0000	0.4859
Total	**0.3513**	**3.3400e-003**	**0.2902**	**2.0000e-005**		**1.6000e-003**	**1.6000e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**0.4744**	**0.4744**	**4.6000e-004**	**0.0000**	**0.4859**

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 Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	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
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 Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	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
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 Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	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
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 Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	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
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

CUMULATIVE PROJECT LIST

Cumulative Projects List

Project	Proposed Land Uses/Project Description	Location	Determination/Status	Discretionary Actions	Project Planner
Westcliff Plaza Restaurants	A conditional use permit and traffic study to allow for a reduction in off-street parking and reconfiguration of the parking lot at an existing shopping center and construct a new 7,400-square-foot building for future restaurant uses.	1000-1150 Irvine Avenue	Application submitted on December 12, 2019. Traffic consultant has been contracted by the City. Project is currently incomplete due to revisions required for the parking study.	• Conditional Use Permit No. UP2019-059 • Traffic Study	David Lee
4699 Jamboree Road and 5190 Campus Drive (PA2019-054)	General Plan Amendment to increase floor area by 21,529.6 square feet.	4699 Jamboree Road and 5190 Campus Drive	WITHDRAWN/CLOSED DUE TO INACTIVITY	• GP Amendment GP2019-001 • PC Text Amendment • Traffic Study ▪ Mitigated Negative Dec	Chelsea Crager
Office and Parking Structure (PA2019023)	A coastal development permit to demolish an existing restaurant/office building, and associated surface parking lot and to construct a new 41-space two level parking structure and a 2,744-square-foot office building.	215 Riverside Avenue	Class 32 Exemption. Application on appeal to City Council. Anticipated hearing date April 14, 2020..	• Conditional Use Permit • Coastal Development Permit	Makana Nova/Greg Ramirez
The Garden Restaurant (PA2019-006)	A coastal development permit, conditional use permit, traffic study, and operator license for conversion of an existing retail building for a new 7,705-gross-square-foot fine restaurant and 2,535-square-foot roof top outdoor dining terrace.	2902 West Coast Highway	Class 32 Exemption under preparation. Traffic study completed. Parking management plan requested from applicant. No current application activity.	▪ Coastal Development Permit ▪ Conditional Use Permit ▪ Operator License ▪ Site development review ▪ Traffic Study	Makana Nova/David Lee
Newport Village (PA2017-253)	A coastal development permit, major site development review, tentative tract map, traffic study, and EIR for the demolition of all structures on-site (with the exception of buildings at 2241 West Coast Highway and 2244 West Coast Highway) and the construction of 128,640 square feet of nonresidential uses (retail, vehicle/boat sales, office and food service), 108 apartment units, 14 condominiums, and subterranean/surface parking garages with 827 parking spaces. The project includes a new public walkway along the waterfront and marina improvements. The maximum height of buildings on the north parcel is 26 feet for a flat roof and 31 feet for a pitched roofline measured from established grade. The maximum height of buildings on the south parcel is 35 feet for a flat roof measured from established grade.	2200-2244 West Coast Highway and 2001-22241 West Coast Highway Newport Village (former Ardell site)	Application submitted on December 4, 2017. Revised project plans submitted on September 23, 2019. NOP and EIR Scoping meeting held November of 2019. EIR under preparation.	▪ Approval in Concept No. AIC2018001 ▪ Coastal Development Permit No. CD2017-108 ▪ Conditional Use Permit No. UP2017-032 ▪ Site Development Review No.SD2017-011 ▪ Traffic Study No. TS2018-001 ▪ Tentative Tract Map No. NT2017-006 ▪ Environmental Impact Report No. ER2017-002	Liz Westmoreland

Project	Proposed Land Uses/Project Description	Location	Determination/Status	Discretionary Actions	Project Planner
Koll Newport Residential (PA2015-024)	Development of mixed use residential of up to 260 units, 3,000 sf. retail and one-acre park. Preliminary application submitted 1/31/20 for a revised project: 312 dwelling units (299 market-rate and 13 very-low income units) and ½ acre public park.	4400 Von Karman Ave.	Application submitted and deemed complete. DEIR is completed and circulated. Planning Commission study session on Jan. 31, 2019. A preliminary application submitted 1/31/20. A revised application and project scope is anticipated.	• Planned Community Development Plan Amendment • Site Development Plan • Transfer of Development Right • Traffic Study • Tentative Tract Map • Development Agreement • Environmental Impact Report	Liane Schuller
Newport Airport Village Mixed-use (PA2014-225)	General Plan amendment to re-designate 16 acres of Campus Tract from Airport Office and Supporting Uses (AO) to Mixed Use Horizontal 2 (MU-H2) to allow for 329 replacement dwelling units, a zoning code amendment to change the zoning district from Office Airport (OA) to Planned Community (PC) and approval of Planned Community Development Plan and, approval of an Development Agreement.	4341 Birch St 4401 Birch St 4320 Campus Dr 4340 Campus Dr 4360 Campus Dr 4500 Campus Dr 4540 Campus Dr 4570 Campus Dr 4600 Campus Dr 4630 Campus Dr 4647 MacArthur Blvd	Application submitted and deemed incomplete. However, enough information has been provided to begin work on an Addendum to the 2006 GP Update EIR and 2014 Land Use element Supplemental EIR. PC Study Session scheduled for April 23, 2020	• General Plan Amendment No. GP2014-004 • Code Amendment No. CA2014-225 • Planned Community Development Plan No. PC2020-02 • Development Agreement No. DA2014-003 • EIR Addendum No. ER2020-02	Gregg Ramirez/David Blumenthal
ExplorOcean (PA2014-069)	Demolition of an existing one-story, 26,219 square foot commercial building and a 55-space subterranean parking garage; and the construction of a 70,295 square-foot, 4-story ocean literacy facility located on the 600 East Bay parcel; removal of a 63-metered space surface parking lot (aka: Palm Street Parking Lot) located on the 209 Washington Street, 600 and 608 Balboa Avenue, and 200 Palm parcels and the construction of a 388-space, 141,000 square foot, 5-level off-site parking structure; and a 6,500 square footage floating classroom to be located on the waterside of the project.	600 East Bay, 209 Washington Street, 600 and 608 Balboa Avenue, and 200 Palm	Application submitted 04/22/2014. On hold per applicant's request. Preliminary discussions for shark tank TI April 1, 2020.	• General Plan Amendment • Coastal Land Use Plan Amendment • Zoning Code Amendment (Zone Change) • Planned Community Development Plan Adoption • Transfer Development Allocation • Site Development Review • Conditional Use Permit • Traffic Study pursuant to City's Traffic Phasing Ordinance (TPO) • Tentative Parcel Map and Alley Vacation • Harbor Development Permit • Coastal Development Permit (by California Coastal Commission) • Environmental Impact Report	Makana Nova

Project	Proposed Land Uses/Project Description	Location	Determination/Status	Discretionary Actions	Project Planner
Bayside Family Resort Hotel (PA2016-175)	A 275-room, 201,498-square-foot, hotel on 14.3 acres. Amenities include a coffee shop, gift/sundry shop, business center, function rooms, spa/fitness facilities, restaurant, pool, tennis courts, sand volleyball courts and picnic area.	West side of the Newport Dunes Resort Swimming Lagoon at 1131 Back Bay Drive.	Application submitted. EIR scoping meeting held on September 25, 2019 and NOP notice period ended on October 16, 2019. Draft EIR under preparation. Awaiting additional studies from applicant.	• PC Development Plan • Site Development Review • Conditional Use Permit • Coastal Development Permit • Environmental Impact Report	Makana Nova/Chelsea Crager
Drive Shack (PA2019-240)	Demolition of an existing golf driving range and associated structures, and three golf holes. Construction of a new 32,000 square foot, three story, commercial recreation driving range.	3100 Irvine Ave	Application submitted. Environmental proposals in, no consultant yet selected as of 4/6/2020	• Use Permit • Minor Site Development Review • Variance (height of retaining wall)	Chelsea Crager
2510 PCH Mixed-Use Development	Demolition of a 4,487 square foot boat sales and construct a new mixed-use development. Project includes a 10,975 square foot boutique automobile showroom and 36 dwelling units. 33 units will be market rate and 3 will be affordable.	2510 West Coast Hwy 2530 West Coast Hwy	Application submitted, but deemed incomplete on 3/27/2020	• Coastal Development Permit • Traffic Study • Lot Merger • Conditional Use Permit • Major Site Development Review	David Blumenthal
*UCI North Campus Hospital Project	Construct new 350,000 sq. ft. hospital that will include emergency services, a 200,000 sq. ft. ambulatory care center, a central plant, and parking structure.	UCI North Campus, West of Jamboree and Birch	EIR currently under preparation by UCI.	• EIR • LRDP Amendment	University of CA Lead Agency
*UCI North Campus Child Health/Medical Office	Replace buildings near the intersection of Jamboree and Birch Street with 168 k GSF, 5-story Center for Child Health/Medical Office building and 800-space parking garage.	UCI North Campus, West of Jamboree and Birch	MND Public Review Period ended late February 2020. If adopted by UCI, PW will review proposed restriping on Jamboree within the City's boundaries.	• IS/MND	University of CA Lead Agency

***Not Located within the City of Newport Beach.**

AELUP: Airport Environs Land Use Plan; CDP: Coastal Development Permit; CUP: Conditional Use Permit; cy: cubic yards; DA: Development Agreement; DTSP: Downtown Specific Plan; EIR: Environmental Impact Report; FAA: Federal Aviation Administration; GPA: General Plan Amendment; gsf: gross square feet; HBGS: Huntington Beach Generating Station; I-405: Interstate 405 freeway; IBC: Irvine Business Complex; IS: Initial Study; ITC: Irvine Technology Center; LAFCO: Local Agency Formation Commission; LCP: Local Coastal Program; LRDP: Long Range Development Plan; MCAS: Marine Corps Air Station; MND: Mitigated Negative Declaration; ND: Negative Declaration; PA: Planning Area; PC: Planned Community; sf: square feet; SP: Specific Plan; SR-73: State Route 73; TDR: transfer of development rights; TPM: Tentative Parcel Map; TTM: Tentative Tract Map; VTTM: Vesting Tentative Tract Map; ZC: Zone Change

Discretionary Projects with CEQA review and Traffic Study Approved by the City and Percent Occupied:

Project	Proposed Land Uses	Location	Determination/Status	Discretionary Actions	Project Planner	Traffic Study	Percent Occupied
Newport Crossings (PA2017-107)	A Site Development Review for the development of a mixed-use residential project consisting of 350 rental units, 7,500 square feet of commercial use, and a 0.5-acre public park on a 5.7-acre property known as MacArthur Square. The application includes a request for density bonus and development incentive/waivers.	1701 Corinthian Way, 4251, 4253 & 4255 Martingale Way, 4200, 4220 & 4250 Scott Drive and 1660 Dove Street	Application submitted on May 31, 2017. Draft EIR completed. Approved by Planning Commission on February 21, 2019. Awaiting Plan Check.	▪ Site Development Review No. SD2017-004 ▪ Lot Line Adjustment No. LA2018-004 ▪ Affordable Housing Implementation Plan No. AH2018-001	Jaime Murillo	Yes	0%
Mesa Drive Town Homes (PA2014-218)	8-unit condominium	1501 Mesa Dr. 20462 Santa Ana Ave.	City Council Upheld Planning Commission Approval on August 18,2019. Class 32 CEQA Exemption.	• Tentative Map No. NT2017-003 ▪ Site Development Review No. SD2017-008	Liz Westmoreland	No	0%
Vivante Senior Living (PA2018-185)	General Plan amendment, Planned Community Development Plan amendment, development agreement, major site development review, conditional use permit, and lot merger for 90-units of senior housing and 27-bed memory care facility.	850 & 856 San Clemente Drive	Project approved by City Council on September 10, 2019. Project is in plan check.	▪ General Plan Amendment No. GP2018-003 ▪ Planned Community Development Plan No. PC2018-001 ▪ Site Development Review No. SD2018-003 ▪ Conditional Use Permit No. UP2018-019 ▪ Lot Merger No. LM2018-004 ▪ Development Agreement No. DA2018-005 ▪ Addendum to Environmental Impact Report No.ER2016-002	Makana Nova	No	0%
ENC Preschool (PA2015-079)	Environmental Nature Center Preschool	745 Dover Drive	Building finaled and occupied in September of 2019. Building permits issued Jul. 2, 2018; Planning Commission Approved 01/21/2016. Class 32 CEQA Exemption.	▪ Minor Use Permit No. UP2015-020 ▪ Traffic Study No. TS2015-001	Makana Nova	Yes	100%

Project	Proposed Land Uses	Location	Determination/Status	Discretionary Actions	Project Planner	Traffic Study	Percent Occupied
Birch Newport Executive Center (PA2014-121)	The project includes the re-subdivision of four lots into three lots for commercial development and for condominium purposes, and the construction of two, 2-story medical office buildings totaling 64,000 square feet in gross floor area and a 324-space surface parking lot.	20350 & 20360 Birch Street (Formerly 20352 – 20412 Birch St)	Application submitted on 08/05/2014. Application and Addendum to MND approved by Planning Commission on 02/19/2015. Shell permits finaled in April 2017. 100% occupied June, 2019	▪ Site Development Review No. SD2014-005 ▪ Minor Use Permit No. UP2014-032 ▪ Traffic Study No. TS2014-006 ▪ Parcel Map No. NP2014-017 ▪ Addendum to Mitigated Negative Declaration (PA2006-280)	Jaime Murillo	Yes	100%
Ebb Tide (PA2014-110)	The project includes a Tentative Tract Map application to subdivide a 4.7-acre site for 83 residential lots and a Site Development Review application for the construction of 83 single-unit residences, private streets, common open space, and landscaping. The Planned Community Development Plan is proposed to establish guidelines for development of the project site consistent with the General Plan. The Code Amendment is proposed to amend the Zoning Map to change the Zoning District from Multiple-Unit Residential (RM) to Planned Community (PC).	1560 Placentia Drive	Application submitted on 06/20/2014. An MND was prepared. The project was approved and the MND was adopted by the Planning Commission on August 6, 2015. Under construction. Initial 4 of 8 phases are complete; however, a construction defect has rendered the initial phases uninhabitable. The developer is correcting the issue.	▪ Tentative Tract Map No. NT2014-002 ▪ Traffic Study No. TS2014-007 ▪ Planned Development Permit No. PL2015-001 ▪ Mitigated Negative Declaration No. ND2015-002	Jim Campbell	Yes	20%
Westcliff Medical (PA2013-154)	Construction of two building and a three-level parking structure, an addition to an existing building, and the demolition of 25,339 square feet of building area. The project would result in four buildings totaling 73,722 square feet. The total amount of off-street parking would be 382 spaces.	2011, 2043, 2121, and 2131 Westcliff Drive. Bounded by Westcliff Drive, Irvine Avenue, and Sherington Place.	Class 32 CEQA exemption. Construction completed. Occupancy estimated at late 2018.	▪ Site Development Review ▪ Traffic Study ▪ Lot Merger	Jim Campbell	Yes	100%
Lido Villas (DART) (PA2012-146)	Request for the demolition of an existing church and office building and legislative approvals for the development of 23 attached three-story townhome condominiums.	3303 and 3355 Via Lido Generally bounded by Via Lido, Via Oporto, and Via Malaga.	First two units completed as model units. All other units are under construction. Building permits issued Apr. 17, 2018. Discretionary applications are still valid since tract map was submitted to Public Works for recordation. Application approved November 12, 2013. CLUP Amendment approved by CCC on March 12, 2014. CDP application Approved by CCC on 10/09/2014.	▪ General Plan Amendment ▪ Coastal Land Use Plan Amendment ▪ Zoning Code Amendment ▪ Planned Community Development Plan ▪ Site Development Review ▪ IS/Mitigated Negative Declaration ▪ Tentative Tract Map	Makana Nova/David Lee	No	39%

Project	Proposed Land Uses	Location	Determination/Status	Discretionary Actions	Project Planner	Traffic Study	Percent Occupied
Uptown Newport Mixed Use Development (PA2011-134)	Development of 1,244 residential units and 11,500 sf. of commercial retail	4311 & 4321 Jamboree Rd	EIR, Tentative Tract Map, Traffic Study, and AHIP were approved by City Council on 2/26/2013. The PC Development Plan and Development Agreement were approved on 3/12/2013. North and South Tower have been completed with a total of 366 market rate units and 92 affordable units. Application submitted for a third building containing 30 condominiums.	• PC Development Plan Amendment and Adoption • Tentative Tract Map • Traffic Study (TPO) • AHIP • DA • Airport Land Use Commission • Environmental Impact Report	Liz Westmoreland and Chelsea Crager	Yes	5%
10 Big Canyon (PA2010-092)	Mitigated Negative Declaration for rough grading for development of a single-family residence.	10 Big Canyon	IS/MND approved 12/20/2011. Project has not been constructed.	▪ IS/MND	Makana Nova	No	0%
Plaza Corona del Mar (PA2010-061)	Development of 1,750 sf new office space and six (6) detached townhomes.	3900-3928 East Coast Highway	Application approved by Planning Commission on 1/03/13. Staff Approval No. SA2013-015 (PA2013-245) approved December 10, 2013 and Staff Approval No. SA2014-April 10, 2015 to allow the reconstruction of Gallo's and reduction of commercial scope. CEQA Class 32 exemption. Building permits for residential portion issued 03/17/2017. Commercial portion issued Feb. 1, 2018.Under construction.	• Site Development Review • Variance • Conditional Use Permit • Tentative Tract Map • Modification Permit	Makana Nova	No	0%
Old Newport GPA Project (PA2008-047)	Demolition of 3 existing buildings to construct a new 25,000-sf medical office building.	328, 332, and 340 Old Newport Blvd	IS/MND and project approved on March 9, 2010. Shell building completed February 2020.	▪ Modification Permit ▪ Traffic Study ▪ Use Permit ▪ GP Amendment ▪ Mitigated Negative Declaration	Jaime Murillo	Yes	0%

Project	Proposed Land Uses	Location	Determination/Status	Discretionary Actions	Project Planner	Traffic Study	Percent Occupied
Hoag Memorial Hospital Presbyterian Master Plan Update Project (PA2007-073)	Reallocation of up to 225,000 sf of previously approved (but not constructed) square footage from the Lower Campus to the Upper Campus.	1 Hoag Dr; northwest of West Coast Hwy and Newport Blvd	Final EIR certified and project approved on May 13, 2008. No new major development has been constructed or is planned in the near future.	▪ EIR ▪ GP Amendment ▪ Planned Community Development Plan (PC) Text Amendment ▪ Development Agreement Amendment ▪ CDP (CCC)	Jim Campbell	Yes	0%
AERIE Project (PA2005-196)	Residential development including the following: (a) the demolition of the existing residential structures on the 1.4-acre site; (b) the development of 8 residential condominium units; and (c) the replacement, reconfiguration, and expansion of the existing gangway platform, pier walkway, and dock facilities on the site.	201–207 Carnation Ave and 101 Bayside Pl; southwest of Bayside Drive between Bayside Pl and Carnation Ave, Corona del Mar	Final EIR was certified and project approved by the City on July 14, 2009. A CDP has been approved by the Coastal Commission. Project is under construction with completion anticipated by 2020.	▪ EIR ▪ GP Amendment ▪ Coastal Land Use Plan (CLUP) Amendment ▪ Zone Change ▪ Tract Map ▪ Modification Permit ▪ CDP (CCC)	Jim Campbell	No	0%
Vue Newport (PA2001-210)	A mixed use development consisting of 27 residential units and approximately 36,000 square feet of retail and office uses	2300 Newport Boulevard	FEIR certified in February 2006. Construction is 100% completed. Leasing of the commercial and sales of the residential are slow	• Site Plan Review • Use Permit • Tentative Tract Map • Environmental Impact Report	Jim Campbell	No	15%
Mariners' Pointe (PA2010-114)	A 19,905-sf, two-story commercial building and a three-story parking structure.	100 West Coast Highway	An IS/MND was released for public review on April 11, 2011. The MND was certified and the project approved by the City Council on August 9, 2011. Last suite TI finaled on 3/18/20.	• GP Amendment • Code Amendment • CUP • Variance • Site Development Review • Traffic Study • Mitigated Negative Declaration	Jaime Murillo	Yes	100%
Newport Business Plaza Project (PA2008-164)	Demolition of 2 existing connected buildings to construct a new 46,044 gross square foot business plaza.	4699 Jamboree Road and 5190 Campus Drive	The City Council approved the project on January 25, 2011. The project has not been constructed.	▪ GP Amendment ▪ PC text amendment ▪ Tentative Parcel Map ▪ Mitigated Negative Declaration	Gregg Ramirez		0%

Project	Proposed Land Uses	Location	Determination/Status	Discretionary Actions	Project Planner	Traffic Study	Percent Occupied
PRES Office Building B Project (PA2007-213)	Increase the maximum allowable entitlement by 11,544 gross sf; increase the maximum allowable entitlement in office suite B by 9,917 net sf to allow for development of a new 2-level office building over a ground-level parking structure.	4300 Von Karman Ave	An IS/MND was released for public review on May 19, 2010. The MND was certified and the project approved by the City Council on February 22, 2011. Project has not been constructed.	▪ GP Amendment ▪ PC Text Amendment ▪ Parcel Map ▪ Mitigated Negative Declaration	Gregg Ramirez		0%
Saint Mark Presbyterian Church (PA2003-085)	Church complex with sanctuary, fellowship hall, administration building and pre-school. Total square footage is 33,867 square feet.	2200 san Joaquin Hills Road	EIR was released for 45 day public released on July 21, 2004. Project approved by City Council October 12, 2004. Pre-school not entirely constructed.	▪ GP Amendment ▪ PC Text Amendment ▪ Parcel Map ▪ Use Permit ▪ Traffic Study (TPO) ▪ EIR	Gregg Ramirez	Yes	77%
Mariners' Square (PA2017-248)	Site Development Review, Tentative Tract Map, and Modification Permit to allow the demolition of an existing 114-unit residential apartment complex and redevelopment of the site with a new 92-unit residential condominium complex. The application includes a request to establish grade and allow the residential units facing Irvine Avenue to encroach 2 feet into the 20-foot front setback with portions of the upper levels for architectural relief and articulation.	1244 Irvine Avenue	Approved. In plan check for demolition and grading.	▪ Site Development Review No. SD2017-010 ▪ Tentative Tract Map No. NT2017-005 ▪ Modification Permit No. MD2017-009	Chelsea Crager	Yes	0%
Harbor Pointe Senior Living (PA2015-210)	General Plan Amendment, Planned Community Text Amendment, Conditional Use Permit, and Major Site Development Review for a new approximately 85,000-square-foot convalescent and congregate care facility with 121 beds (about 101 care units). As proposed, the facility will be developed with one level of subterranean parking and four levels of living area. The project site is currently developed with a single-story restaurant and supporting surface parking area.	101 Bayview Place	Scoping meeting held on August 15, 2016. Project being revisited and redesigned by applicant/developer. EIR preparation on hold as of June 8, 2017. Approved by Planning Commission on Dec. 6, 2018. Approved by City Council on Feb. 12, 2019.	▪ General Plan Amendment No. GP2015-004 ▪ Planned Community Text Amendment No. PD2015-005 ▪ Site Development Review No. SD2015-007 ▪ Conditional Use Permit No. UP2015-047 ▪ Mitigated Negative Declaration	Benjamin Zdeba	No	0%

Project	Proposed Land Uses	Location	Determination/Status	Discretionary Actions	Project Planner	Traffic Study	Percent Occupied
Back Bay Landing (PA2011-216)	Request for legislative approvals to accommodate the future redevelopment of a portion of the property with a mixed-use waterfront project. The Planned Community Development Plan would allow for the development of a new enclosed dry stack boat storage facility for 140 boats, 61,534 square feet of visitor-serving retail and recreational marine facilities, and up to 49 attached residential units.	300 E. Coast Highway Generally located at the northwesterly corner of east Coast Highway and Bayside Drive	The project was approved by City Council on February 11, 2014. The Coastal Land Use Plan Amendment for the project was approved by the California Coastal Commission on December 10, 2015. Site Development Review and Coastal Development Permit anticipated to be filed Dec. 2020.	▪ General Plan Amendment, Coastal Land Use Plan Amendment, Code Amendment, Planned Community Development Plan, Lot Line Adjustment, Traffic Study, and Environmental Impact Report – approved ▪ CLUP Amendment approved ▪ Site Development Review & Coastal Development Permit required	Jaime Murillo	Yes	0%
Balboa Marina Expansion (PA2012-103) (PA2015-113)	City of Newport Beach Public Access and Transient Docks and Expansion of Balboa Marina • 24 boat slips • 14,252 SF restaurant • 664 SF marina restroom	201 E. Coast Highway	IS/MND was approved by City Council on November 25, 2014. SDR and CUP were approved by the City in February 2016. The CDP was approved by the CCC in February 2017.	▪ IS/MND ▪ Site Development Review ▪ Conditional Use Permit ▪ CDP (Coastal Commission)	Patrick Alford	Yes	0%
Newport Harbor Yacht Club (PA2012-091)	Demolition of the approximately 20,500 square foot yacht club facility and construction of a new 23,163 square foot facility. The yacht club use will remain on the subject property.	720 West Bay Avenue, 800 West Bay Avenue, 711-721 West Bay Avenue, and 710-720 Balboa Boulevard	Project approved by the City February 2014. Coastal Land Use Plan Amendment application withdrawn from California Coastal Commission in September 2015. Coastal Commission considers a Coastal Development Permit for the replacement yacht club on March10, 2016. Construction completed Dec. 2018.	▪ General Plan Amendment ▪ Coastal Land Use Plan Amendment ▪ Zoning Code Amendment ▪ Planned Development Permit ▪ Conditional Use Permit	Jim Campbell	Yes	100%
Ullman Sail Lofts (PA2017-059)	A conditional use permit, minor site development review, tentative tract map, and coastal development permit to demolish an existing 9,962-square-foot commercial building and construct a new mixed-use structure with 694 square feet of retail floor area and one 2,347 square foot dwelling unit on Lot 17 and construct three residential dwelling units ranging from 2,484 square feet to 2,515 square feet over Lots 18 and 19.	410 and 412 29th Street	Planning Commission approved on July 20, 2019. Class 32 CEQA Exemption. Project is currently in plan check with no recent activity.	▪ Coastal Development Permit No. CD2017-025 ▪ Site Development and Use Permit No. SD2017-003, ▪ Conditional Use Permit No. UP2017-005 ▪ Tract Map No. NT2017-001 (County Tentative Parcel Map No. 18108)	Makana Nova	No	0%

AELUP: Airport Environs Land Use Plan; CDP: Coastal Development Permit; CUP: Conditional Use Permit; cy: cubic yards; DA: Development Agreement; DTSP: Downtown Specific Plan; EIR: Environmental Impact Report; FAA: Federal Aviation Administration; GPA: General Plan Amendment; gsf: gross square feet; HBGS: Huntington Beach Generating Station; I-405: Interstate 405 freeway; IBC: Irvine Business Complex; IS: Initial Study; ITC: Irvine Technology Center; LAFCO: Local Agency Formation Commission; LCP: Local Coastal Program; MCAS: Marine Corps Air Station; MND: Mitigated Negative Declaration; ND: Negative Declaration; PA: Planning Area; PC: Planned Community; sf: square feet; SP: Specific Plan; SR-73: State Route 73; TDR: transfer of development rights; TPM: Tentative Parcel Map; TTM: Tentative Tract Map; VTTM: Vesting Tentative Tract Map; ZC: Zone Change

CIP Projects with CEQA review:

Project	Proposed Land Uses/Project Description	Location	Determination/Status	Discretionary Actions	Project Planner
Confined Aquatic Disposal (CAD) and Harbor Dredging	An EIR for harbor dredging and safe disposal of unsuitable materials in a confined aquatic disposal facility within Newport Harbor.	Lower Newport Harbor between Lido Isle and Bay Island.	Project initiated in 2019. Anticipated NOP release and scoping meeting in November/December 2019.	▪ Focused EIR ▪ Capital Improvement Program, City Council	Makana Nova and Jaime Murillo Chris Miller
Junior Lifeguard	New 4,500 square-foot Junior Lifeguard building and recreation event center.	Balboa Village Parking Lot	Class 32 exemption under consideration (supporting studies to be prepared). Conceptual project plans have been prepared.	▪ CDP to CCC ▪ PBR recommendation to City Council ▪ Class 32 exemption (TBD)	Makana Nova and David Lee Peter Tauscher
Fire Station	New fire station	2807 Newport Blvd	Class 32 Exempt CDP submitted	▪ Class 32 Exemption ▪ CDP and Site Development Review for increased height – to PC	Chelsea Crager Peter Tauscher
Sunset Ridge Park Bridge	Pedestrian and Bicycle Bridge across Superior Ave, parking lot, and recreation area	4850 W Coast Hwy	MND NOD to County Clerk 11/21/2020	▪ Waiver of Development Standards ▪ Adopt MND ▪ CDP to ZA ▪ Amendment of Park CDP to CCC	Chelsea Crager Andy Tran
Big Canyon Coastal Habitat Restoration and Adaptation Plan-Phase 2A (PA2018-078)	A mitigated negative declaration for Phase 2A of habitat restoration at an 11.3-acre site located at the mouth of Big Canyon.	1900 Back Bay Drive	Final MND adopted on January 29, 2019. CDP approved by Coastal Commission on September 11, 2019.	▪ Mitigated Negative Declaration	Makana Nova Bob Stein, Public Works
Little Corona Infiltration (PA2015-096) (15X14)	Installation of a diversion and infiltration device on a public beach area.	Little Corona Beach	Final MND adopted on March 22, 2016. Project is on hold due to difficulties presented at Coastal Commission review.	▪ Mitigated Negative Declaration ▪ Capital Improvement Program, City Council	Benjamin Zdeba John Kappeler, Public Works
Old Newport Blvd./West Coast Hwy Widening (15R19)	Widens the westbound side of West Coast Highway at Old Newport Boulevard to accommodate a third through lane, a right turn pocket and a bike lane. Realignment of Old Newport Boulevard maximizes the right turn pocket storage length and improves roadway geometrics.	Intersection of Old Newport Boulevard and West Coast Highway	Consultant was selected for project design in March of 2016. Negative Declaration draft is completed. City is requesting lead agency status from Cal Trans.	• IS/Negative Declaration • Capital Improvement Program, City Council	Patrick Arciniega, Public Works

Project	Proposed Land Uses/Project Description	Location	Determination/Status	Discretionary Actions	Project Planner
Lower Sunset View Park Bridge, Parking Lot and Park (15R09)	Possible pedestrian overcrossings, parking and park uses for Lower Sunset View Park.	Intersection of West Coast Highway and Superior Avenue	An Environmental Consultant was selected in April 2019. Project is expected to require either Negative Declaration or Mitigated Negative Declaration. An RFP for design services was sent in December of 2015. CEQA determination TBD.	• Capital Improvement Program, City Council	Andy Tran, Public Works
Arches Storm Drain Diversion (16X11)	Arches drain outlet is the endpoint for two large storm drains that collect and deliver runoff from neighboring areas to Newport Harbor. The west storm drain collects runoff from Hoag Hospital and areas upstream and the east storm drain runs along Old Newport Boulevard and into Costa Mesa upstream of 15th Street. A conceptual plan to divert dry weather flows from these two subwatersheds to the sanitary sewer system has been prepared.	Newport Boulevard north of Coast Highway	Project initiated in 2015. CEQA determination TBD (exemption?). Anticipated project start date, September 2016.	• Capital Improvement Program, City Council	John Kappeler, Public Works
Bayview Heights Drainage Treatment (15X11)	Restores a drainage reach subject to erosion and creates a wetland at the end of the reach to benefit environmental water quality.	Headlands area of Upper Bay downstream of Mesa Drive	City Council authorized project in May of 2015. Agency permit applications were submitted March of 2016. CEQA determination TBD (exemption?)	• Capital Improvement Program, City Council	John Kappeler, Public Works
Big Canyon Rehab Project (15X12)	Divert about one third of the dry-weather flow from the creek into a bioreactor. The bioreactor strips selenium and other impurities from the flow. Clean flow is returned to the creek to reduce the concentration of pollutants within the stream by 30-35 percent. Storm flows from Jamboree Road also will be directed to the top level of this bioreactor/wetlands to strip roadway pollutants from the flow before the flow rejoins the creek. Partial streambed and canyon restoration are components of this project.	Big Canyon, downstream of Jamboree Road and south of Big Canyon Creek	Resource agency applications submitted March of 2016. Draft MND issued for public comment March 4, 2016.	• Mitigated Negative Declaration • Capital Improvement Program, City Council	John Kappeler, Public Works
Bay Crossings Water Main Replacement (16W12)	Replaces deteriorating water transmission mains pursuant to the Water Master Plan and Bay Crossing Water Transmission Study.	Newport Harbor	A consultant has been selected for the project design. CEQA TBD	• Capital Improvement Program, City Council	Patrick Arciniega, Public Works
Library Lecture Hall	Construct an 8-10k square foot auditorium with approximately 275 seats at the Central Library Site	Central Library near Avocado Avenue and Bamboo Courtyard	An architect has been selected for the project design. Design process ongoing.	• SLUR Amendment • Zoning Exemptions • Funding Agreement • CEQA Categorical Exemptions	Peter Tauscher, Public Works Liz Westmorel and