



June 27, 2017

Mr. Sam Thomas
Thomas Sierra LLC
c/o Thomas Properties
3100 Oak Rd Suite #140
Walnut Creek, CA 94597

Subject: Greenhouse Gas Analysis for 4660 Sierra College Boulevard, Rocklin, California

Dear Mr. Thomas:

LSA Associates, Inc. (LSA) is pleased to submit this greenhouse gas analysis for the proposed Sierra College Boulevard Commercial Project (project). The purpose of this analysis is to evaluate potential impacts from greenhouse gas (GHG) emissions associated with the potential development scenario. The project site is located at 4660 Sierra College Boulevard, in the southwest quadrant of the Sierra College Boulevard interchange with Interstate 80 (I-80) in the City of Rocklin (City), Placer County, California.

LSA identified potential construction and operational GHG emissions generated by the project using California Emissions Estimator Model (CalEEMod). Guidelines identified by the City of Rocklin Public Services Department, Placer County Air Pollution Control District (PCAPCD)¹, and Sacramento Metropolitan Air Quality Management District (SMAQMD)² were followed in this GHG emissions analysis. In addition, LSA evaluated the project's compliance with adopted plans related to clean air and the reduction of greenhouse gas emissions.

PROJECT DESCRIPTION

Based on the City's General Plan and conceptual site plans provided by Thomas Properties, the project site consists of approximately 6.64 acres (ac) of land currently vacant and zoned as Planned Development-Commercial (PD-C), which has a General Plan designation of Retail Commercial (RC). The project site design consists of a tire store with a 10,224 square foot building, a high turnover sit down restaurant with 6,545 square feet of building space, three fast food restaurants with drive-throughs with a total of 9,595 square feet of building space, 3,600 square feet of fast food restaurants without drive-throughs, and 2,625 square feet of general retail space located within the same building as the high turnover sit down restaurant.

BACKGROUND

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- Carbon dioxide (CO₂)

¹ PCAPCD. 2012. *CEQA Air Quality Handbook*. Updated October 2012.

² SMAQMD. 2016. *CEQA Guide to Air Quality Assessment*. Updated March 2016.

- Methane (CH₄)
- Nitrous oxide (N₂O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur hexafluoride (SF₆)

Over the last 200 years, human activities have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, which is believed to be causing global warming. While GHGs produced by human activities include naturally occurring GHGs such as CO₂, CH₄, and N₂O, some gases such as HFCs, PFCs, and SF₆ are completely new to the atmosphere. HFCs, PFCs, and SF₆ are synthetic, powerful GHGs that are emitted from a variety of industrial processes, and the production of chlorodifluoromethane (HCFC-22). The proposed project would not include any industrial processes and HCFC-22 has been mostly phased out of use in the United States under the Montreal Protocol; therefore, HFCs, PFCs, and SF₆ are not included in this analysis.

These GHGs vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere (“atmospheric lifetime”). The GWP of each gas is measured relative to CO₂, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO₂ over a specified time period. GHG emissions are typically measured in terms of metric tons of “CO₂ equivalents” (MT CO₂e). For example, CH₄ is 21 times more potent at contributing to global warming than CO₂, and N₂O is 310 times more potent than CO₂.³

REGULATORY SETTING

The California Global Warming Solutions Act of 2006, best known by Assembly Bill (AB) 32, created a first-in-the-country comprehensive program to achieve real, quantifiable, and cost-effective reductions in GHGs. The law set an economy-wide cap on the State’s GHG emissions at 1990 levels by 2020. It directed the California Air Resources Board (ARB) to prepare, approve, and implement a Scoping Plan for achieving the maximum technologically feasible and cost-effective reductions in GHG emissions. Executive Order (EO) S-20-06, signed in October 2006, directed the Secretary for Environmental Protection to establish a Market Advisory Committee of national and international experts. The committee made recommendations to the ARB on the design of a market-based program for GHG emissions reduction. The ARB adopted the first Scoping Plan, which described a portfolio of measures to achieve the target, in December 2008.⁴ Based on the Scoping Plan reduction goals, a 29 percent reduction in GHG levels relative to a “business-as-usual” (BAU) scenario would be required to meet 1990

³ United States Environmental Protection Agency (EPA). 2015. *Greenhouse Gases Overview*. Website <http://epa.gov/climatechange/ghgemissions/gases.html>, accessed May 6, 2015.

⁴ ARB. 2008. *Climate Change Scoping Plan, a Framework for Change*. December 2008.

levels by 2020. The Scoping Plan further recommended that local governments establish a State-aligned reduction goal of 15 percent reduction in GHG emissions below current (2010) levels by 2020.

The ARB approved the First Update to the Scoping Plan (Update) on May 22, 2014.⁵ The Update identifies the next steps for California's climate change strategy. It shows how California continues on its path to meet the near-term 2020 GHG limit, but also sets a path toward long-term, deep GHG emission reductions. The report establishes a broad framework for continued emission reductions beyond 2020, with a goal of 80 percent below 1990 levels by 2050. The Update identifies progress made to meet the near-term objectives of AB 32 and defines California's climate change priorities and activities for the next several years. The Update does not set new targets for the State, but rather describes a path that would achieve the long-term 2050 goal of EO S-3-05 for emissions to decline to 80 percent below 1990 levels by 2050.

On April 29, 2015, Governor Edmund G. Brown Jr. issued EO B-30-15 to establish a California GHG reduction target of 40 percent below 1990 levels by 2030. EO B-30-15 aligned California's GHG reduction targets with those of leading international governments ahead of the United Nations Climate Change Conference in Paris that was scheduled for late 2015. EO B-30-15 sets a new interim statewide GHG emission reduction target to reduce GHG emissions to 40 percent below 1990 levels by 2030 in order to ensure California meets its target of reducing GHG emissions to 80 percent below 1990 levels by 2050, and directs the ARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of carbon dioxide equivalent (MMT CO₂e). EO B-30-15 also requires the State's climate adaptation plan to be updated every 3 years and for the State to continue its climate change research program, among other provisions. As with EO S-3-05, EO B-30-15 is not legally enforceable against local governments and the private sector. Legislation that would update AB 32 to make post-2020 targets and requirements a mandate is in process in the State Legislature.

THRESHOLDS OF SIGNIFICANCE

The potential for the proposed project to result in global climate change impacts related to GHG emissions has been analyzed in relation to the thresholds below, as established in the Appendix G checklist in the California Environmental Quality Act (CEQA) Guidelines. The proposed project would be considered to have a significant impact to climate change if the proposed project has potential to:

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

However, despite this, currently neither the CEQA statutes nor the draft proposed changes to the CEQA Guidelines prescribe thresholds of significance or a particular methodology for performing an impact analysis. As with most environmental topics, significance criteria are left to the judgment and discretion of the Lead Agency. For this project, the Lead Agency has been identified as the City of Rocklin.

⁵ ARB. 2014. *First Update to the Climate Change Scoping Plan: Building on the Framework Pursuant to AB 32, The California Global Warming Solutions Act of 2006*. May 2014.

Greenhouse Gas Emission Generation. The City of Rocklin Public Services Department defers to PCAPCD guidance when determining thresholds of significance for GHG emissions. The PCAPCD recommends using the SMAQMD's 1,100 MT CO₂e/year threshold for both operational and construction level emissions as a screening level threshold. If this threshold is exceeded, further analysis is needed to determine if the project would meet the City's criteria of a 15 percent reduction in project related emissions below 2010 business-as-usual (BAU) emission levels by the year 2020.

Consistency with Applicable Plans. The City of Rocklin does not have an adopted climate action plan, therefore this greenhouse gas analysis evaluates the project's consistency with adopted State plans related to clean air and the reduction of greenhouse gas emissions and the City's General Plan.

PROJECT GHG EMISSIONS

There are two aspects of the proposed project that will result in the emissions of GHGs: construction and operation. During construction of the project, GHGs would be emitted through the operation of construction equipment and from worker and vendor vehicles, each of which typically uses fossil-based fuels to operate. During operations, there will be many sources of GHG emissions, including area sources (i.e. landscaping), energy consumption, on-road transportation, solid waste, and water use. The California Emissions Estimator Model (CalEEMod)⁶ was used to estimate the project's GHG emissions. Assumptions used in CalEEMod are detailed in Attachment A of this letter report.

Construction

Construction of the proposed project is planned to start in fall 2017 and is expected to take a maximum of 24 months.

Table 1 presents the estimated MT CO₂e emissions from the project's construction activities. As provided in Table 1, maximum projected annual emissions during construction occur in 2018 (578 MT CO₂e), which is less than the SMAQMD's screening level significance threshold of 1,100 MT CO₂e per year. Therefore this impact would be less than significant. No mitigation measures are required.

⁶ SCAQMD. 2016. California Emissions Estimator Model (CalEEMod), Version 2016.3.1.

Table 1: Construction GHG Emissions

Year	Construction Phase	GHG Emissions (MT CO ₂ e/year)
2017	Demolition, Site Preparation, Grading	115
2018	Grading, Building Construction	578
2019	Building Construction, Paving, Architectural Coating	418
Maximum Annual Emission		578
SMAQMD Screening Level Threshold	1,100 MT CO ₂ e/year	
Significant Impact?	No	

Source: LSA, 2017

GHG = greenhouse gas

MT CO₂e/year = metric tons of carbon dioxide equivalent per year

SMAQMD = Sacramento Metropolitan Air Quality Management District

Operation

The proposed project site is anticipated to be fully operational by the year 2019. Table 2 presents the estimated annual MT CO₂e emissions from the project’s operational activities by opening year. As provided in Table 2, on-road transportation makes up the largest percentage of total GHG emissions (84 percent), followed by energy (11 percent), solid waste (4 percent) and water use (1 percent). Emissions from area sources accounted for less than 1 percent of the project’s total emissions. The proposed project’s estimated GHG emissions in 2019 are approximately 3,597 MT CO₂e, which exceed the SMAQMD’s Screening Level Threshold. Therefore, further analysis was conducted to determine if the project meets the City’s threshold of 15 percent reduction below 2010 BAU emission levels by 2020.

Table 2: 2019 Operational GHG Emissions

Emissions Source	GHG Emissions (MT CO ₂ e/year)	Percent of Total Emissions
Area Sources	<1	<1
Energy	408	11
Mobile (Vehicles)	3,031	84
Waste	137	4
Water	22	1
Total Project Emissions	3,597	100¹
SMAQMD Screening Level Threshold	1,100 MT CO ₂ e/year	
Further Analysis Required?	Yes	

Source: LSA, 2017

¹ Total may not equal 100 percent due to rounding

GHG = greenhouse gas

MT CO₂e/year = metric tons of carbon dioxide equivalent per year

SMAQMD = Sacramento Metropolitan Air Quality Management District

Table 3 provides a comparison of the estimated MT CO₂e emissions from the project’s operational activities in 2010 and 2020. As provided in Table 3, the proposed project’s estimated annual GHG emissions are approximately 6,424 MT CO₂e in 2010 and 3,396 MT CO₂e in 2020. This represents a 47 percent decrease in emissions, which meets the City’s reduction criteria of 15 percent below 2010 emission levels by 2020. Therefore, the proposed project would not result in emissions exceeding the City of Rocklin’s criteria for GHG emissions.

Table 3: 2010 and 2020 Operational GHG Emissions

Emissions Source	GHG Emissions (MT CO ₂ e/year)		Percent Reduction
	2010	2020	
Area Sources	<1	<1	0
Energy	440	242	45
Mobile (Vehicles)	5,825	3,002	48
Waste	137	136	1
Water	22	15	32
Total Project Emissions	6,424	3,396	47
City of Rocklin Criteria	15 Percent below 2010 emission levels by 2020		
Significant Impact?	No		

Source: LSA, 2017

GHG = greenhouse gas

MT CO₂e/year = metric tons of carbon dioxide equivalent per year

CONSISTENCY WITH APPLICABLE PLANS

In 2005, Governor Schwarzenegger established California’s GHG emissions reduction targets in Executive Order S-3-05. The Executive Order established the following goals for the State of California GHG emissions: reduce to 2000 levels by 2010; reduce to 1990 levels by 2020; and reduce to 80 percent below 1990 levels by 2025.

As discussed above, the California State legislature passed the major initiative for reducing GHG emissions, AB 32, the “Global Warming Solutions Act” in 2006. This aims at reducing GHG emissions to 1990 levels at 427 million metric tons (MMT) of CO₂e by 2020. AB 32 requires the ARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to goal climate change. The Scoping Plan was approved by ARB in 2008, and includes measures to address GHG emissions reduction strategies related to energy efficiency, water use, and recycling and solid waste, among other measures. The Scoping Plan includes a range of GHG reduction actions that may include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, and market-based mechanisms such as a cap-and-trade system.

In addition to reducing GHG emissions to 1990 levels by 2020, AB 32 directed ARB to identify a list of “discrete early action GHG reduction measures” that can be adopted and made enforceable by January 1, 2010. In 2007 ARB approved a list of 37 early action measures, including three discrete early action measures (Low Carbon Fuel Standard, Restrictions on High Global Warming Potential

Refrigerants, and Landfill Methane Capture). Discrete early action measures are measures that are required to be adopted as regulations and made effective by January 1, 2010, the date established by Health and Safety Code Section 38560.5. The ARB adopted additional early action measures in October 2007 that tripled the number of discrete early action measures.

ARB's focus in identifying the early action items was to recommend measures that ARB staff concluded were "expected to yield significant GHG emission reductions, are likely to be cost-effective and technologically feasible." The combination of early action measures is estimated to reduce State-wide GHG emissions by approximately 16 MMT. The early action items focus on industrial production processes, agriculture, and transportation sectors. Early action items associated with industrial production and agriculture do not apply to the proposed project. The transportation sector early action items such as truck efficiency, low carbon fuel standard, proper tire inflation, truck stop electrification and strengthening light duty vehicle standards are either not specifically applicable to the proposed project or would not result in a reduction of GHG emissions associated with the project, because the items would apply to vehicles that visit the proposed project.

As identified above, the ARB approved the First Update to the Climate Change Scoping Plan on May 22, 2014. The First Update identifies opportunities to leverage existing and new funds to further drive greenhouse gas emission reductions through strategic planning and targeted low carbon investments. The First Update defines ARB's climate change priorities until 2020, and also sets the groundwork to reach long-term goals set forth in Executive Orders S-3-05 and B-16-2012. The Update highlights California's progress toward meeting the "near-term" 2020 greenhouse gas emission reduction goals as defined in the initial Scoping Plan. It also evaluates how to align the State's "longer-term" greenhouse gas reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. ARB recently released a second update to the Scoping Plan, the Draft 2017 Scoping Plan, to reflect the 2030 target set by Executive Order B-30-15.

While the City of Rocklin General Plan does not include policies that specifically address GHG emissions, the following policies from the Open Space, Conservation, and Recreation Element of the General Plan⁷ would be expected to reduce GHG emissions.

- Policy OCR-58: Require development projects to incorporate stationary and mobile source control measures recommended by the Placer County Air Pollution Control District and approved by the City for protection of air quality during construction and subsequent operations.
- Policy OSR -59: Continue to consult with the Placer County Air Pollution Control District in the development of stationary and mobile source control measures affecting the City of Rocklin.

The proposed project would not conflict with any of these measures. Additionally, the proposed project would not conflict with the State goal of reducing GHG emissions and would not conflict with the AB 32 Scoping Plan or the early action measures. The proposed project would be subject to all applicable permit and planning requirements in place or adopted by the City of Rocklin. Therefore,

⁷ Rocklin, City of, 2012. *City of Rocklin General Plan*. October. Website <http://www.rocklin.ca.us/post/general-plan>, accessed April 7, 2017.

the proposed project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

CONCLUSION

Based on the results of this analysis, the proposed project's annual GHG emissions of 3,597 MT CO₂e in project build-out year (2019) exceeds the SMAQMD's screening level threshold for GHG emissions; however, the project's estimated reduction (47 percent) in GHG emissions from 2010 BAU to 2020 levels would meet the City of Rocklin's minimum reduction criteria of 15 percent. Therefore, as City of Rocklin is the lead agency for the project under CEQA, the proposed project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.

In addition, the project would not result in generate significant GHG emissions, therefore, the project would not conflict with or obstruct implementation of an applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions.

Thank you for the opportunity to provide this analysis. If you have any questions regarding this analysis, please feel free to call me at (559) 490-1210.

Sincerely,

LSA ASSOCIATES, INC.



Amy E. Fischer
Principal

Attachments: CalEEMod Modeling Output

ATTACHMENT A

CALEEMOD MODELING OUTPUT

Rockin Shopping Center - 2019 - Placer County APCD Air District, Annual

Rockin Shopping Center - 2019
Placer County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	5.90	Acre	5.90	257,004.00	0
Fast Food Restaurant w/o Drive Thru	3.60	1000sqft	0.08	3,600.00	0
Fast Food Restaurant with Drive Thru	9.60	1000sqft	0.22	9,595.00	0
High Turnover (Sit Down Restaurant)	6.54	1000sqft	0.15	6,545.00	0
Automobile Care Center	10.22	1000sqft	0.23	10,224.00	0
Strip Mall	2.63	1000sqft	0.06	2,625.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Rockin Shopping Center - 2019 - Placer County APCD Air District, Annual

Project Characteristics -

Land Use - per 5/11/17 site plan

Construction Phase - Construction defaults x1.75 for approximate 2 years of construction

Vehicle Trips - trip rates per TIA (10/19/16)

Energy Use -

Energy Mitigation - 2016 Cal Building Standards are more energy efficient for non-residential buildings, than 2013 Cal Building Standards built into CalEEMod. Assuming compliance with 2016 Building Standards.

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDays	230.00	403.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	10.00	18.00
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Automobile Care Center
tblFleetMix	FleetMixLandUseSubType	Automobile Care Center	Parking Lot
tblGrading	AcresOfGrading	17.50	10.00
tblLandUse	BuildingSpaceSquareFeet	9,600.00	9,595.00
tblLandUse	BuildingSpaceSquareFeet	6,540.00	6,545.00
tblLandUse	BuildingSpaceSquareFeet	10,220.00	10,224.00
tblLandUse	BuildingSpaceSquareFeet	2,630.00	2,625.00
tblLandUse	LandUseSquareFeet	9,600.00	9,595.00
tblLandUse	LandUseSquareFeet	6,540.00	6,545.00
tblLandUse	LandUseSquareFeet	10,220.00	10,224.00
tblLandUse	LandUseSquareFeet	2,630.00	2,625.00
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tblVehicleEF	LDA	64.97	62.95
tblVehicleEF	LDA	0.48	0.48
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.13	0.11
tblVehicleEF	LDA	1.7880e-003	1.8050e-003
tblVehicleEF	LDA	2.3840e-003	2.3690e-003
tblVehicleEF	LDA	1.6510e-003	1.6660e-003
tblVehicleEF	LDA	2.1940e-003	2.1790e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.14	0.12
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.14	0.12
tblVehicleEF	LDA	2.8450e-003	2.7420e-003

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tblVehicleEF	LDA	6.8500e-004	6.6000e-004
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.14	0.12
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.16	0.13
tblVehicleEF	LDA	6.5870e-003	5.8860e-003
tblVehicleEF	LDA	8.2690e-003	6.9790e-003
tblVehicleEF	LDA	0.93	0.84
tblVehicleEF	LDA	1.57	1.37
tblVehicleEF	LDA	312.04	300.87
tblVehicleEF	LDA	64.97	62.95
tblVehicleEF	LDA	0.48	0.48
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	1.7880e-003	1.8050e-003
tblVehicleEF	LDA	2.3840e-003	2.3690e-003
tblVehicleEF	LDA	1.6510e-003	1.6660e-003
tblVehicleEF	LDA	2.1940e-003	2.1790e-003
tblVehicleEF	LDA	0.14	0.12
tblVehicleEF	LDA	0.17	0.15
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	3.1290e-003	3.0160e-003

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tblVehicleEF	LDA	6.7700e-004	6.5300e-004
tblVehicleEF	LDA	0.14	0.12
tblVehicleEF	LDA	0.17	0.15
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	5.5260e-003	4.9140e-003
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.73	0.65
tblVehicleEF	LDA	2.42	2.13
tblVehicleEF	LDA	276.69	266.84
tblVehicleEF	LDA	64.97	62.95
tblVehicleEF	LDA	0.48	0.48
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.14	0.12
tblVehicleEF	LDA	1.7880e-003	1.8050e-003
tblVehicleEF	LDA	2.3840e-003	2.3690e-003
tblVehicleEF	LDA	1.6510e-003	1.6660e-003
tblVehicleEF	LDA	2.1940e-003	2.1790e-003
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.14	0.13
tblVehicleEF	LDA	8.0170e-003	7.3360e-003
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.17	0.14
tblVehicleEF	LDA	2.7730e-003	2.6730e-003

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tblVehicleEF	LDA	6.9200e-004	6.6600e-004
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.14	0.13
tblVehicleEF	LDA	8.0170e-003	7.3360e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.18	0.15
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	1.78	1.57
tblVehicleEF	LDT1	5.09	4.57
tblVehicleEF	LDT1	339.01	330.85
tblVehicleEF	LDT1	77.90	76.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.16
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	2.7880e-003	2.6410e-003
tblVehicleEF	LDT1	4.2600e-003	3.9530e-003
tblVehicleEF	LDT1	2.5730e-003	2.4350e-003
tblVehicleEF	LDT1	3.9270e-003	3.6380e-003
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.35	0.32
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.37	0.32
tblVehicleEF	LDT1	3.4130e-003	3.3280e-003

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tblVehicleEF	LDT1	8.7000e-004	8.4400e-004
tblVehicleEF	LDT1	0.15	0.14
tblVehicleEF	LDT1	0.35	0.32
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.41	0.35
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.09	1.85
tblVehicleEF	LDT1	3.94	3.52
tblVehicleEF	LDT1	371.11	362.31
tblVehicleEF	LDT1	77.90	76.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.14
tblVehicleEF	LDT1	0.24	0.21
tblVehicleEF	LDT1	2.7880e-003	2.6410e-003
tblVehicleEF	LDT1	4.2600e-003	3.9530e-003
tblVehicleEF	LDT1	2.5730e-003	2.4350e-003
tblVehicleEF	LDT1	3.9270e-003	3.6380e-003
tblVehicleEF	LDT1	0.42	0.39
tblVehicleEF	LDT1	0.45	0.42
tblVehicleEF	LDT1	0.26	0.24
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.21	0.20
tblVehicleEF	LDT1	0.29	0.25
tblVehicleEF	LDT1	3.7390e-003	3.6470e-003

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tblVehicleEF	LDT1	8.4900e-004	8.2500e-004
tblVehicleEF	LDT1	0.42	0.39
tblVehicleEF	LDT1	0.45	0.42
tblVehicleEF	LDT1	0.26	0.24
tblVehicleEF	LDT1	0.07	0.05
tblVehicleEF	LDT1	0.21	0.20
tblVehicleEF	LDT1	0.32	0.28
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	1.75	1.53
tblVehicleEF	LDT1	6.18	5.55
tblVehicleEF	LDT1	330.78	322.78
tblVehicleEF	LDT1	77.90	76.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	0.30	0.26
tblVehicleEF	LDT1	2.7880e-003	2.6410e-003
tblVehicleEF	LDT1	4.2600e-003	3.9530e-003
tblVehicleEF	LDT1	2.5730e-003	2.4350e-003
tblVehicleEF	LDT1	3.9270e-003	3.6380e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.36	0.34
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.44	0.38
tblVehicleEF	LDT1	3.3310e-003	3.2470e-003

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tblVehicleEF	LDT1	8.8900e-004	8.6100e-004
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.36	0.34
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.48	0.42
tblVehicleEF	LDT2	7.8080e-003	7.0720e-003
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	1.01	0.93
tblVehicleEF	LDT2	2.76	2.45
tblVehicleEF	LDT2	390.35	379.79
tblVehicleEF	LDT2	89.93	87.80
tblVehicleEF	LDT2	0.22	0.22
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.24	0.21
tblVehicleEF	LDT2	1.5720e-003	1.6170e-003
tblVehicleEF	LDT2	2.2890e-003	2.2800e-003
tblVehicleEF	LDT2	1.4460e-003	1.4880e-003
tblVehicleEF	LDT2	2.1060e-003	2.0970e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.19	0.16
tblVehicleEF	LDT2	3.9130e-003	3.8060e-003

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tblVehicleEF	LDT2	9.4700e-004	9.2000e-004
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.21	0.18
tblVehicleEF	LDT2	8.9160e-003	8.0970e-003
tblVehicleEF	LDT2	0.01	9.5910e-003
tblVehicleEF	LDT2	1.24	1.14
tblVehicleEF	LDT2	2.15	1.91
tblVehicleEF	LDT2	428.54	417.01
tblVehicleEF	LDT2	89.93	87.80
tblVehicleEF	LDT2	0.22	0.22
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.21	0.19
tblVehicleEF	LDT2	1.5720e-003	1.6170e-003
tblVehicleEF	LDT2	2.2890e-003	2.2800e-003
tblVehicleEF	LDT2	1.4460e-003	1.4880e-003
tblVehicleEF	LDT2	2.1060e-003	2.0970e-003
tblVehicleEF	LDT2	0.17	0.16
tblVehicleEF	LDT2	0.20	0.18
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LDT2	4.2980e-003	4.1810e-003

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tblVehicleEF	LDT2	9.3600e-004	9.1100e-004
tblVehicleEF	LDT2	0.17	0.16
tblVehicleEF	LDT2	0.20	0.18
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.16	0.14
tblVehicleEF	LDT2	7.4950e-003	6.7760e-003
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.98	0.89
tblVehicleEF	LDT2	3.33	2.96
tblVehicleEF	LDT2	380.51	370.20
tblVehicleEF	LDT2	89.93	87.80
tblVehicleEF	LDT2	0.22	0.22
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.26	0.23
tblVehicleEF	LDT2	1.5720e-003	1.6170e-003
tblVehicleEF	LDT2	2.2890e-003	2.2800e-003
tblVehicleEF	LDT2	1.4460e-003	1.4880e-003
tblVehicleEF	LDT2	2.1060e-003	2.0970e-003
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.22	0.19
tblVehicleEF	LDT2	3.8140e-003	3.7100e-003

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tblVehicleEF	LDT2	9.5700e-004	9.2900e-004
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.24	0.21
tblVehicleEF	LHD1	4.9470e-003	4.8570e-003
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	1.65	1.57
tblVehicleEF	LHD1	2.81	2.68
tblVehicleEF	LHD1	9.60	9.60
tblVehicleEF	LHD1	697.21	693.26
tblVehicleEF	LHD1	26.79	26.43
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	3.01	2.90
tblVehicleEF	LHD1	0.92	0.91
tblVehicleEF	LHD1	1.1760e-003	1.1790e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.0160e-003	9.5600e-004
tblVehicleEF	LHD1	1.1250e-003	1.1280e-003
tblVehicleEF	LHD1	2.5860e-003	2.5910e-003
tblVehicleEF	LHD1	0.03	0.03

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tblVehicleEF	LHD1	9.3700e-004	8.8100e-004
tblVehicleEF	LHD1	2.3810e-003	2.3690e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	9.3500e-004	9.4500e-004
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	0.28	0.29
tblVehicleEF	LHD1	0.28	0.27
tblVehicleEF	LHD1	6.8270e-003	6.7860e-003
tblVehicleEF	LHD1	3.2100e-004	3.1500e-004
tblVehicleEF	LHD1	2.3810e-003	2.3690e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	9.3500e-004	9.4500e-004
tblVehicleEF	LHD1	0.23	0.22
tblVehicleEF	LHD1	0.28	0.29
tblVehicleEF	LHD1	0.31	0.30
tblVehicleEF	LHD1	4.9470e-003	4.8570e-003
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	1.68	1.60
tblVehicleEF	LHD1	2.51	2.39
tblVehicleEF	LHD1	9.60	9.60
tblVehicleEF	LHD1	697.21	693.26
tblVehicleEF	LHD1	26.79	26.43
tblVehicleEF	LHD1	0.03	0.03

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tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	2.83	2.73
tblVehicleEF	LHD1	0.85	0.83
tblVehicleEF	LHD1	1.1760e-003	1.1790e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.0160e-003	9.5600e-004
tblVehicleEF	LHD1	1.1250e-003	1.1280e-003
tblVehicleEF	LHD1	2.5860e-003	2.5910e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	9.3700e-004	8.8100e-004
tblVehicleEF	LHD1	6.5460e-003	6.4750e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7010e-003	2.6930e-003
tblVehicleEF	LHD1	0.19	0.19
tblVehicleEF	LHD1	0.27	0.28
tblVehicleEF	LHD1	0.26	0.25
tblVehicleEF	LHD1	6.8280e-003	6.7860e-003
tblVehicleEF	LHD1	3.1500e-004	3.1000e-004
tblVehicleEF	LHD1	6.5460e-003	6.4750e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7010e-003	2.6930e-003
tblVehicleEF	LHD1	0.23	0.23
tblVehicleEF	LHD1	0.27	0.28
tblVehicleEF	LHD1	0.29	0.27

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tblVehicleEF	LHD1	4.9470e-003	4.8570e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.14
tblVehicleEF	LHD1	1.63	1.55
tblVehicleEF	LHD1	3.07	2.93
tblVehicleEF	LHD1	9.60	9.60
tblVehicleEF	LHD1	697.21	693.26
tblVehicleEF	LHD1	26.79	26.43
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	3.07	2.96
tblVehicleEF	LHD1	0.98	0.97
tblVehicleEF	LHD1	1.1760e-003	1.1790e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.0160e-003	9.5600e-004
tblVehicleEF	LHD1	1.1250e-003	1.1280e-003
tblVehicleEF	LHD1	2.5860e-003	2.5910e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	9.3700e-004	8.8100e-004
tblVehicleEF	LHD1	5.1800e-004	5.2800e-004
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7700e-004	2.8500e-004
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	0.31	0.32

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tblVehicleEF	LHD1	0.30	0.29
tblVehicleEF	LHD1	6.8270e-003	6.7850e-003
tblVehicleEF	LHD1	3.2600e-004	3.1900e-004
tblVehicleEF	LHD1	5.1800e-004	5.2800e-004
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7700e-004	2.8500e-004
tblVehicleEF	LHD1	0.23	0.22
tblVehicleEF	LHD1	0.31	0.32
tblVehicleEF	LHD1	0.33	0.32
tblVehicleEF	LHD2	3.6360e-003	3.5620e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.8490e-003	9.1200e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.91	0.85
tblVehicleEF	LHD2	1.37	1.28
tblVehicleEF	LHD2	15.02	14.96
tblVehicleEF	LHD2	738.02	731.84
tblVehicleEF	LHD2	21.97	21.84
tblVehicleEF	LHD2	7.2890e-003	6.9220e-003
tblVehicleEF	LHD2	0.14	0.13
tblVehicleEF	LHD2	2.23	2.03
tblVehicleEF	LHD2	0.55	0.53
tblVehicleEF	LHD2	1.4500e-003	1.4430e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.0400e-004	3.8000e-004

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tblVehicleEF	LHD2	1.3870e-003	1.3800e-003
tblVehicleEF	LHD2	2.7150e-003	2.7160e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.7200e-004	3.4900e-004
tblVehicleEF	LHD2	9.6400e-004	9.1900e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0000e-004	3.9100e-004
tblVehicleEF	LHD2	0.15	0.14
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	1.4600e-004	1.4500e-004
tblVehicleEF	LHD2	7.1680e-003	7.1080e-003
tblVehicleEF	LHD2	2.4500e-004	2.4200e-004
tblVehicleEF	LHD2	9.6400e-004	9.1900e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.0000e-004	3.9100e-004
tblVehicleEF	LHD2	0.17	0.17
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	3.6360e-003	3.5620e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.1160e-003	8.4500e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.92	0.86
tblVehicleEF	LHD2	1.23	1.15

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tblVehicleEF	LHD2	15.02	14.96
tblVehicleEF	LHD2	738.02	731.84
tblVehicleEF	LHD2	21.97	21.84
tblVehicleEF	LHD2	7.2890e-003	6.9220e-003
tblVehicleEF	LHD2	0.14	0.13
tblVehicleEF	LHD2	2.10	1.91
tblVehicleEF	LHD2	0.50	0.49
tblVehicleEF	LHD2	1.4500e-003	1.4430e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.0400e-004	3.8000e-004
tblVehicleEF	LHD2	1.3870e-003	1.3800e-003
tblVehicleEF	LHD2	2.7150e-003	2.7160e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.7200e-004	3.4900e-004
tblVehicleEF	LHD2	2.6190e-003	2.4800e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1270e-003	1.0850e-003
tblVehicleEF	LHD2	0.15	0.14
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	1.4600e-004	1.4500e-004
tblVehicleEF	LHD2	7.1690e-003	7.1080e-003
tblVehicleEF	LHD2	2.4300e-004	2.4000e-004
tblVehicleEF	LHD2	2.6190e-003	2.4800e-003
tblVehicleEF	LHD2	0.04	0.04

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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1270e-003	1.0850e-003
tblVehicleEF	LHD2	0.17	0.17
tblVehicleEF	LHD2	0.08	0.08
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	3.6360e-003	3.5620e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	9.6910e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.90	0.84
tblVehicleEF	LHD2	1.49	1.39
tblVehicleEF	LHD2	15.02	14.96
tblVehicleEF	LHD2	738.02	731.84
tblVehicleEF	LHD2	21.97	21.84
tblVehicleEF	LHD2	7.2890e-003	6.9220e-003
tblVehicleEF	LHD2	0.14	0.13
tblVehicleEF	LHD2	2.27	2.06
tblVehicleEF	LHD2	0.59	0.56
tblVehicleEF	LHD2	1.4500e-003	1.4430e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.0400e-004	3.8000e-004
tblVehicleEF	LHD2	1.3870e-003	1.3800e-003
tblVehicleEF	LHD2	2.7150e-003	2.7160e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.7200e-004	3.4900e-004
tblVehicleEF	LHD2	2.2500e-004	2.2200e-004

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tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.15	0.14
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.14	0.13
tblVehicleEF	LHD2	1.4600e-004	1.4500e-004
tblVehicleEF	LHD2	7.1680e-003	7.1070e-003
tblVehicleEF	LHD2	2.4700e-004	2.4400e-004
tblVehicleEF	LHD2	2.2500e-004	2.2200e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.17	0.17
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.15	0.14
tblVehicleEF	MCY	0.41	0.41
tblVehicleEF	MCY	0.18	0.18
tblVehicleEF	MCY	24.09	23.31
tblVehicleEF	MCY	10.66	10.67
tblVehicleEF	MCY	162.34	163.47
tblVehicleEF	MCY	49.30	48.88
tblVehicleEF	MCY	6.4190e-003	6.2570e-003
tblVehicleEF	MCY	1.23	1.22
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	1.8800e-003	1.8960e-003
tblVehicleEF	MCY	4.8100e-003	4.5480e-003
tblVehicleEF	MCY	1.7720e-003	1.7840e-003
tblVehicleEF	MCY	4.5640e-003	4.3110e-003

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tblVehicleEF	MCY	1.15	1.16
tblVehicleEF	MCY	0.91	0.91
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	2.53	2.50
tblVehicleEF	MCY	0.84	0.82
tblVehicleEF	MCY	2.53	2.50
tblVehicleEF	MCY	2.0870e-003	2.0850e-003
tblVehicleEF	MCY	7.4200e-004	7.3700e-004
tblVehicleEF	MCY	1.15	1.16
tblVehicleEF	MCY	0.91	0.91
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	3.02	3.00
tblVehicleEF	MCY	0.84	0.82
tblVehicleEF	MCY	2.75	2.72
tblVehicleEF	MCY	0.39	0.39
tblVehicleEF	MCY	0.15	0.14
tblVehicleEF	MCY	22.78	22.08
tblVehicleEF	MCY	9.22	9.21
tblVehicleEF	MCY	162.34	163.47
tblVehicleEF	MCY	49.30	48.88
tblVehicleEF	MCY	6.4190e-003	6.2570e-003
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	1.8800e-003	1.8960e-003
tblVehicleEF	MCY	4.8100e-003	4.5480e-003
tblVehicleEF	MCY	1.7720e-003	1.7840e-003
tblVehicleEF	MCY	4.5640e-003	4.3110e-003

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tblVehicleEF	MCY	3.48	3.50
tblVehicleEF	MCY	1.40	1.41
tblVehicleEF	MCY	1.99	2.00
tblVehicleEF	MCY	2.36	2.34
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	1.98	1.97
tblVehicleEF	MCY	7.0200e-004	6.9700e-004
tblVehicleEF	MCY	3.48	3.50
tblVehicleEF	MCY	1.40	1.41
tblVehicleEF	MCY	1.99	2.00
tblVehicleEF	MCY	2.83	2.81
tblVehicleEF	MCY	0.81	0.80
tblVehicleEF	MCY	2.16	2.14
tblVehicleEF	MCY	0.43	0.44
tblVehicleEF	MCY	0.22	0.22
tblVehicleEF	MCY	26.54	25.63
tblVehicleEF	MCY	12.44	12.48
tblVehicleEF	MCY	162.34	163.47
tblVehicleEF	MCY	49.30	48.88
tblVehicleEF	MCY	6.4190e-003	6.2570e-003
tblVehicleEF	MCY	1.33	1.32
tblVehicleEF	MCY	0.35	0.35
tblVehicleEF	MCY	1.8800e-003	1.8960e-003
tblVehicleEF	MCY	4.8100e-003	4.5480e-003
tblVehicleEF	MCY	1.7720e-003	1.7840e-003
tblVehicleEF	MCY	4.5640e-003	4.3110e-003
tblVehicleEF	MCY	0.17	0.18

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tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	2.71	2.67
tblVehicleEF	MCY	0.98	0.96
tblVehicleEF	MCY	3.07	3.03
tblVehicleEF	MCY	2.1320e-003	2.1280e-003
tblVehicleEF	MCY	7.8800e-004	7.8300e-004
tblVehicleEF	MCY	0.17	0.18
tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	3.23	3.19
tblVehicleEF	MCY	0.98	0.96
tblVehicleEF	MCY	3.34	3.30
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	1.72	1.60
tblVehicleEF	MDV	4.70	4.35
tblVehicleEF	MDV	520.62	509.49
tblVehicleEF	MDV	117.83	115.87
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.22	0.20
tblVehicleEF	MDV	0.42	0.39
tblVehicleEF	MDV	1.7350e-003	1.7560e-003
tblVehicleEF	MDV	2.6620e-003	2.6020e-003
tblVehicleEF	MDV	1.6020e-003	1.6220e-003
tblVehicleEF	MDV	2.4550e-003	2.3980e-003
tblVehicleEF	MDV	0.08	0.08

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tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.38	0.35
tblVehicleEF	MDV	5.2220e-003	5.1090e-003
tblVehicleEF	MDV	1.2630e-003	1.2360e-003
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.42	0.38
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.06	1.91
tblVehicleEF	MDV	3.72	3.44
tblVehicleEF	MDV	570.12	557.91
tblVehicleEF	MDV	117.83	115.87
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.38	0.35
tblVehicleEF	MDV	1.7350e-003	1.7560e-003
tblVehicleEF	MDV	2.6620e-003	2.6020e-003
tblVehicleEF	MDV	1.6020e-003	1.6220e-003
tblVehicleEF	MDV	2.4550e-003	2.3980e-003
tblVehicleEF	MDV	0.22	0.22

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tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.30	0.27
tblVehicleEF	MDV	5.7220e-003	5.5970e-003
tblVehicleEF	MDV	1.2440e-003	1.2200e-003
tblVehicleEF	MDV	0.22	0.22
tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.33	0.30
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	1.68	1.56
tblVehicleEF	MDV	5.65	5.24
tblVehicleEF	MDV	507.85	497.01
tblVehicleEF	MDV	117.83	115.87
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.24	0.22
tblVehicleEF	MDV	0.47	0.43
tblVehicleEF	MDV	1.7350e-003	1.7560e-003
tblVehicleEF	MDV	2.6620e-003	2.6020e-003
tblVehicleEF	MDV	1.6020e-003	1.6220e-003
tblVehicleEF	MDV	2.4550e-003	2.3980e-003
tblVehicleEF	MDV	0.02	0.02

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tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.45	0.41
tblVehicleEF	MDV	5.0940e-003	4.9840e-003
tblVehicleEF	MDV	1.2800e-003	1.2520e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.49	0.44
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	4.84	4.17
tblVehicleEF	MH	7.96	7.45
tblVehicleEF	MH	1,246.19	1,242.59
tblVehicleEF	MH	62.83	61.24
tblVehicleEF	MH	1.5650e-003	1.4440e-003
tblVehicleEF	MH	2.21	2.13
tblVehicleEF	MH	1.00	0.97
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.8060e-003	1.5810e-003
tblVehicleEF	MH	3.2400e-003	3.2420e-003
tblVehicleEF	MH	0.04	0.04

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tblVehicleEF	MH	1.6810e-003	1.4680e-003
tblVehicleEF	MH	1.17	1.13
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.20	0.17
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.51	0.46
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.6900e-004	7.4300e-004
tblVehicleEF	MH	1.17	1.13
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.25	0.23
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.55	0.51
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	4.87	4.25
tblVehicleEF	MH	6.95	6.49
tblVehicleEF	MH	1,246.19	1,242.59
tblVehicleEF	MH	62.83	61.24
tblVehicleEF	MH	1.5650e-003	1.4440e-003
tblVehicleEF	MH	2.02	1.95
tblVehicleEF	MH	0.92	0.89
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.8060e-003	1.5810e-003

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tblVehicleEF	MH	3.2400e-003	3.2420e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.6810e-003	1.4680e-003
tblVehicleEF	MH	3.22	3.09
tblVehicleEF	MH	0.11	0.10
tblVehicleEF	MH	0.92	0.89
tblVehicleEF	MH	0.20	0.18
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.46	0.42
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5100e-004	7.2700e-004
tblVehicleEF	MH	3.22	3.09
tblVehicleEF	MH	0.11	0.10
tblVehicleEF	MH	0.92	0.89
tblVehicleEF	MH	0.26	0.23
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.50	0.46
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	4.90	4.17
tblVehicleEF	MH	8.88	8.32
tblVehicleEF	MH	1,246.19	1,242.59
tblVehicleEF	MH	62.83	61.24
tblVehicleEF	MH	1.5650e-003	1.4440e-003
tblVehicleEF	MH	2.29	2.20
tblVehicleEF	MH	1.07	1.04
tblVehicleEF	MH	0.01	0.01

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tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.8060e-003	1.5810e-003
tblVehicleEF	MH	3.2400e-003	3.2420e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.6810e-003	1.4680e-003
tblVehicleEF	MH	0.25	0.24
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MH	0.11	0.11
tblVehicleEF	MH	0.20	0.17
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.55	0.50
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.8500e-004	7.5800e-004
tblVehicleEF	MH	0.25	0.24
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MH	0.11	0.11
tblVehicleEF	MH	0.25	0.23
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.60	0.55
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.48	0.44
tblVehicleEF	MHD	0.80	0.67
tblVehicleEF	MHD	7.42	6.44
tblVehicleEF	MHD	180.69	183.73
tblVehicleEF	MHD	1,215.42	1,208.93

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tblVehicleEF	MHD	45.56	42.62
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.44	1.33
tblVehicleEF	MHD	3.00	2.62
tblVehicleEF	MHD	13.69	13.95
tblVehicleEF	MHD	8.2510e-003	7.1710e-003
tblVehicleEF	MHD	0.08	0.06
tblVehicleEF	MHD	9.1400e-004	7.2800e-004
tblVehicleEF	MHD	7.8940e-003	6.8610e-003
tblVehicleEF	MHD	0.07	0.06
tblVehicleEF	MHD	8.4500e-004	6.7000e-004
tblVehicleEF	MHD	1.0220e-003	8.6300e-004
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	4.1600e-004	3.5700e-004
tblVehicleEF	MHD	0.19	0.16
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.37
tblVehicleEF	MHD	1.7330e-003	1.7620e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.8600e-004	5.3900e-004
tblVehicleEF	MHD	1.0220e-003	8.6300e-004
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.06	0.05
tblVehicleEF	MHD	4.1600e-004	3.5700e-004
tblVehicleEF	MHD	0.22	0.19
tblVehicleEF	MHD	0.02	0.01

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tblVehicleEF	MHD	0.48	0.41
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.34	0.31
tblVehicleEF	MHD	0.81	0.68
tblVehicleEF	MHD	6.58	5.70
tblVehicleEF	MHD	191.53	194.75
tblVehicleEF	MHD	1,215.42	1,208.93
tblVehicleEF	MHD	45.56	42.62
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.49	1.37
tblVehicleEF	MHD	2.81	2.46
tblVehicleEF	MHD	13.61	13.88
tblVehicleEF	MHD	6.9550e-003	6.0450e-003
tblVehicleEF	MHD	0.08	0.06
tblVehicleEF	MHD	9.1400e-004	7.2800e-004
tblVehicleEF	MHD	6.6540e-003	5.7840e-003
tblVehicleEF	MHD	0.07	0.06
tblVehicleEF	MHD	8.4500e-004	6.7000e-004
tblVehicleEF	MHD	2.8660e-003	2.3950e-003
tblVehicleEF	MHD	0.06	0.05
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	1.2580e-003	1.0630e-003
tblVehicleEF	MHD	0.19	0.16
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.40	0.34

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tblVehicleEF	MHD	1.8350e-003	1.8660e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.7100e-004	5.2600e-004
tblVehicleEF	MHD	2.8660e-003	2.3950e-003
tblVehicleEF	MHD	0.06	0.05
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	1.2580e-003	1.0630e-003
tblVehicleEF	MHD	0.22	0.19
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.44	0.37
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.65	0.60
tblVehicleEF	MHD	0.80	0.66
tblVehicleEF	MHD	8.16	7.08
tblVehicleEF	MHD	166.00	168.79
tblVehicleEF	MHD	1,215.42	1,208.93
tblVehicleEF	MHD	45.56	42.62
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	1.38	1.27
tblVehicleEF	MHD	3.05	2.67
tblVehicleEF	MHD	13.76	14.01
tblVehicleEF	MHD	0.01	8.7260e-003
tblVehicleEF	MHD	0.08	0.06
tblVehicleEF	MHD	9.1400e-004	7.2800e-004
tblVehicleEF	MHD	9.6050e-003	8.3480e-003

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tblVehicleEF	MHD	0.07	0.06
tblVehicleEF	MHD	8.4500e-004	6.7000e-004
tblVehicleEF	MHD	2.0700e-004	1.8200e-004
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	1.1200e-004	9.9000e-005
tblVehicleEF	MHD	0.19	0.16
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.47	0.40
tblVehicleEF	MHD	1.5940e-003	1.6200e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.9800e-004	5.5000e-004
tblVehicleEF	MHD	2.0700e-004	1.8200e-004
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.06	0.05
tblVehicleEF	MHD	1.1200e-004	9.9000e-005
tblVehicleEF	MHD	0.22	0.19
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.51	0.44
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.28	0.28
tblVehicleEF	OBUS	1.62	1.43
tblVehicleEF	OBUS	8.52	8.07
tblVehicleEF	OBUS	79.53	81.43
tblVehicleEF	OBUS	1,359.72	1,354.79

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tblVehicleEF	OBUS	72.73	72.23
tblVehicleEF	OBUS	1.5180e-003	1.4890e-003
tblVehicleEF	OBUS	0.49	0.49
tblVehicleEF	OBUS	2.23	2.12
tblVehicleEF	OBUS	2.23	2.18
tblVehicleEF	OBUS	2.9600e-004	2.7000e-004
tblVehicleEF	OBUS	9.7340e-003	9.4360e-003
tblVehicleEF	OBUS	7.5500e-004	7.6400e-004
tblVehicleEF	OBUS	2.8300e-004	2.5800e-004
tblVehicleEF	OBUS	9.2910e-003	9.0050e-003
tblVehicleEF	OBUS	6.9500e-004	7.0300e-004
tblVehicleEF	OBUS	1.5560e-003	1.5590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.2700e-004	5.3200e-004
tblVehicleEF	OBUS	0.11	0.11
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.51	0.48
tblVehicleEF	OBUS	7.7200e-004	7.9000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7700e-004	8.6400e-004
tblVehicleEF	OBUS	1.5560e-003	1.5590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	5.2700e-004	5.3200e-004
tblVehicleEF	OBUS	0.15	0.14
tblVehicleEF	OBUS	0.06	0.06

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tblVehicleEF	OBUS	0.56	0.53
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.27	0.27
tblVehicleEF	OBUS	1.67	1.48
tblVehicleEF	OBUS	7.44	7.05
tblVehicleEF	OBUS	83.20	85.22
tblVehicleEF	OBUS	1,359.72	1,354.79
tblVehicleEF	OBUS	72.73	72.23
tblVehicleEF	OBUS	1.5180e-003	1.4890e-003
tblVehicleEF	OBUS	0.51	0.50
tblVehicleEF	OBUS	2.08	1.98
tblVehicleEF	OBUS	2.12	2.07
tblVehicleEF	OBUS	2.5000e-004	2.2700e-004
tblVehicleEF	OBUS	9.7340e-003	9.4360e-003
tblVehicleEF	OBUS	7.5500e-004	7.6400e-004
tblVehicleEF	OBUS	2.3900e-004	2.1800e-004
tblVehicleEF	OBUS	9.2910e-003	9.0050e-003
tblVehicleEF	OBUS	6.9500e-004	7.0300e-004
tblVehicleEF	OBUS	4.0900e-003	4.0830e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.4140e-003	1.4150e-003
tblVehicleEF	OBUS	0.12	0.11
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.47	0.44

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tblVehicleEF	OBUS	8.0700e-004	8.2600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.5800e-004	8.4600e-004
tblVehicleEF	OBUS	4.0900e-003	4.0830e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.4140e-003	1.4150e-003
tblVehicleEF	OBUS	0.15	0.14
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.51	0.49
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.30	0.30
tblVehicleEF	OBUS	1.57	1.39
tblVehicleEF	OBUS	9.40	8.90
tblVehicleEF	OBUS	74.46	76.20
tblVehicleEF	OBUS	1,359.72	1,354.79
tblVehicleEF	OBUS	72.73	72.23
tblVehicleEF	OBUS	1.5180e-003	1.4890e-003
tblVehicleEF	OBUS	0.47	0.46
tblVehicleEF	OBUS	2.29	2.17
tblVehicleEF	OBUS	2.33	2.27
tblVehicleEF	OBUS	3.6000e-004	3.2800e-004
tblVehicleEF	OBUS	9.7340e-003	9.4360e-003
tblVehicleEF	OBUS	7.5500e-004	7.6400e-004
tblVehicleEF	OBUS	3.4500e-004	3.1400e-004

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tblVehicleEF	OBUS	9.2910e-003	9.0050e-003
tblVehicleEF	OBUS	6.9500e-004	7.0300e-004
tblVehicleEF	OBUS	4.0800e-004	4.1800e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.9600e-004	2.0100e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.07	0.07
tblVehicleEF	OBUS	0.55	0.52
tblVehicleEF	OBUS	7.2300e-004	7.4000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.9200e-004	8.7800e-004
tblVehicleEF	OBUS	4.0800e-004	4.1800e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	1.9600e-004	2.0100e-004
tblVehicleEF	OBUS	0.15	0.13
tblVehicleEF	OBUS	0.07	0.07
tblVehicleEF	OBUS	0.60	0.57
tblVehicleEF	SBUS	0.87	0.87
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	6.00	6.08
tblVehicleEF	SBUS	1.59	1.42
tblVehicleEF	SBUS	11.74	11.14
tblVehicleEF	SBUS	1,264.42	1,255.66
tblVehicleEF	SBUS	1,152.53	1,146.26

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tblVehicleEF	SBUS	38.57	39.34
tblVehicleEF	SBUS	8.0400e-004	7.9300e-004
tblVehicleEF	SBUS	13.81	13.16
tblVehicleEF	SBUS	6.42	6.00
tblVehicleEF	SBUS	15.24	15.05
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	7.6700e-004	7.2800e-004
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	2.7600e-003	2.7550e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.0500e-004	6.7000e-004
tblVehicleEF	SBUS	4.7030e-003	4.3010e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.72	0.73
tblVehicleEF	SBUS	1.2700e-003	1.2090e-003
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.53	0.50
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	5.8700e-004	5.8400e-004
tblVehicleEF	SBUS	4.7030e-003	4.3010e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.03	1.05
tblVehicleEF	SBUS	1.2700e-003	1.2090e-003

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tblVehicleEF	SBUS	0.20	0.19
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.58	0.55
tblVehicleEF	SBUS	0.87	0.86
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	5.82	5.91
tblVehicleEF	SBUS	1.64	1.47
tblVehicleEF	SBUS	7.51	7.13
tblVehicleEF	SBUS	1,328.24	1,318.73
tblVehicleEF	SBUS	1,152.53	1,146.26
tblVehicleEF	SBUS	38.57	39.34
tblVehicleEF	SBUS	8.0400e-004	7.9300e-004
tblVehicleEF	SBUS	14.26	13.58
tblVehicleEF	SBUS	5.97	5.59
tblVehicleEF	SBUS	15.17	14.98
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	7.6700e-004	7.2800e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.7600e-003	2.7550e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.0500e-004	6.7000e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.72	0.73

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tblVehicleEF	SBUS	3.8270e-003	3.5640e-003
tblVehicleEF	SBUS	0.17	0.15
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.42	0.39
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	5.1700e-004	5.1800e-004
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	1.03	1.04
tblVehicleEF	SBUS	3.8270e-003	3.5640e-003
tblVehicleEF	SBUS	0.21	0.19
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.46	0.43
tblVehicleEF	SBUS	0.87	0.87
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.15	0.14
tblVehicleEF	SBUS	6.24	6.31
tblVehicleEF	SBUS	1.54	1.39
tblVehicleEF	SBUS	15.16	14.40
tblVehicleEF	SBUS	1,176.29	1,168.56
tblVehicleEF	SBUS	1,152.53	1,146.26
tblVehicleEF	SBUS	38.57	39.34
tblVehicleEF	SBUS	8.0400e-004	7.9300e-004
tblVehicleEF	SBUS	13.20	12.58
tblVehicleEF	SBUS	6.55	6.13
tblVehicleEF	SBUS	15.30	15.11

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tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	7.6700e-004	7.2800e-004
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	2.7600e-003	2.7550e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	7.0500e-004	6.7000e-004
tblVehicleEF	SBUS	1.0160e-003	9.8400e-004
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.73	0.74
tblVehicleEF	SBUS	4.5700e-004	4.4900e-004
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.62	0.59
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.4300e-004	6.3800e-004
tblVehicleEF	SBUS	1.0160e-003	9.8400e-004
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	1.04	1.05
tblVehicleEF	SBUS	4.5700e-004	4.4900e-004
tblVehicleEF	SBUS	0.20	0.19
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.68	0.64
tblVehicleEF	UBUS	1.22	1.13
tblVehicleEF	UBUS	0.06	0.06

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tblVehicleEF	UBUS	6.87	6.37
tblVehicleEF	UBUS	11.07	10.80
tblVehicleEF	UBUS	2,057.90	2,037.61
tblVehicleEF	UBUS	118.02	121.22
tblVehicleEF	UBUS	1.2850e-003	1.2550e-003
tblVehicleEF	UBUS	8.86	8.04
tblVehicleEF	UBUS	14.28	14.00
tblVehicleEF	UBUS	0.57	0.56
tblVehicleEF	UBUS	0.14	0.13
tblVehicleEF	UBUS	8.0200e-004	8.7200e-004
tblVehicleEF	UBUS	0.25	0.24
tblVehicleEF	UBUS	0.14	0.12
tblVehicleEF	UBUS	7.3900e-004	8.0300e-004
tblVehicleEF	UBUS	3.1820e-003	3.2690e-003
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.4040e-003	1.4560e-003
tblVehicleEF	UBUS	0.69	0.62
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.79	0.79
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3780e-003	1.4050e-003
tblVehicleEF	UBUS	3.1820e-003	3.2690e-003
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.4040e-003	1.4560e-003
tblVehicleEF	UBUS	1.98	1.82
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.87	0.86

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tblVehicleEF	UBUS	1.22	1.14
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.90	6.41
tblVehicleEF	UBUS	8.23	8.03
tblVehicleEF	UBUS	2,057.90	2,037.61
tblVehicleEF	UBUS	118.02	121.22
tblVehicleEF	UBUS	1.2850e-003	1.2550e-003
tblVehicleEF	UBUS	8.31	7.54
tblVehicleEF	UBUS	14.16	13.89
tblVehicleEF	UBUS	0.57	0.56
tblVehicleEF	UBUS	0.14	0.13
tblVehicleEF	UBUS	8.0200e-004	8.7200e-004
tblVehicleEF	UBUS	0.25	0.24
tblVehicleEF	UBUS	0.14	0.12
tblVehicleEF	UBUS	7.3900e-004	8.0300e-004
tblVehicleEF	UBUS	8.5740e-003	8.7730e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	4.1240e-003	4.2090e-003
tblVehicleEF	UBUS	0.69	0.63
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.67	0.66
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3290e-003	1.3580e-003
tblVehicleEF	UBUS	8.5740e-003	8.7730e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	4.1240e-003	4.2090e-003
tblVehicleEF	UBUS	1.99	1.83

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tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.73
tblVehicleEF	UBUS	1.22	1.13
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	6.85	6.35
tblVehicleEF	UBUS	13.51	13.18
tblVehicleEF	UBUS	2,057.90	2,037.61
tblVehicleEF	UBUS	118.02	121.22
tblVehicleEF	UBUS	1.2850e-003	1.2550e-003
tblVehicleEF	UBUS	9.01	8.18
tblVehicleEF	UBUS	14.37	14.09
tblVehicleEF	UBUS	0.57	0.56
tblVehicleEF	UBUS	0.14	0.13
tblVehicleEF	UBUS	8.0200e-004	8.7200e-004
tblVehicleEF	UBUS	0.25	0.24
tblVehicleEF	UBUS	0.14	0.12
tblVehicleEF	UBUS	7.3900e-004	8.0300e-004
tblVehicleEF	UBUS	7.9700e-004	8.4200e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	5.2200e-004	5.5400e-004
tblVehicleEF	UBUS	0.68	0.62
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.90	0.89
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.4200e-003	1.4460e-003
tblVehicleEF	UBUS	7.9700e-004	8.4200e-004
tblVehicleEF	UBUS	0.05	0.05

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tblVehicleEF	UBUS	5.2200e-004	5.5400e-004
tblVehicleEF	UBUS	1.97	1.81
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.98	0.98
tblVehicleTrips	ST_TR	23.72	38.95
tblVehicleTrips	ST_TR	696.00	377.22
tblVehicleTrips	ST_TR	722.03	253.05
tblVehicleTrips	ST_TR	158.37	72.42
tblVehicleTrips	ST_TR	42.04	27.43
tblVehicleTrips	SU_TR	11.88	38.95
tblVehicleTrips	SU_TR	500.00	377.22
tblVehicleTrips	SU_TR	542.72	253.05
tblVehicleTrips	SU_TR	131.84	72.42
tblVehicleTrips	SU_TR	20.43	27.43
tblVehicleTrips	WD_TR	23.72	38.95
tblVehicleTrips	WD_TR	716.00	377.22
tblVehicleTrips	WD_TR	496.12	253.05
tblVehicleTrips	WD_TR	127.15	72.42
tblVehicleTrips	WD_TR	44.32	27.43

2.0 Emissions Summary

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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					
2017	0.1373	1.4237	0.7357	1.2400e-003	0.2773	0.0750	0.3523	0.1490	0.0694	0.2184	0.0000	114.4607	114.4607	0.0320	0.0000	115.2600
2018	0.4393	3.9453	2.9187	6.3500e-003	0.2607	0.2025	0.4632	0.0993	0.1901	0.2893	0.0000	575.3774	575.3774	0.0908	0.0000	577.6470
2019	0.4767	2.5664	2.1150	4.6300e-003	0.1084	0.1267	0.2351	0.0295	0.1190	0.1484	0.0000	416.2350	416.2350	0.0667	0.0000	417.9019
Maximum	0.4767	3.9453	2.9187	6.3500e-003	0.2773	0.2025	0.4632	0.1490	0.1901	0.2893	0.0000	575.3774	575.3774	0.0908	0.0000	577.6470

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					
2017	0.1373	1.4237	0.7357	1.2400e-003	0.2773	0.0750	0.3523	0.1490	0.0694	0.2184	0.0000	114.4606	114.4606	0.0320	0.0000	115.2599
2018	0.4393	3.9453	2.9187	6.3500e-003	0.2607	0.2025	0.4632	0.0993	0.1901	0.2893	0.0000	575.3770	575.3770	0.0908	0.0000	577.6466
2019	0.4767	2.5664	2.1150	4.6300e-003	0.1084	0.1267	0.2351	0.0295	0.1190	0.1484	0.0000	416.2347	416.2347	0.0667	0.0000	417.9016
Maximum	0.4767	3.9453	2.9187	6.3500e-003	0.2773	0.2025	0.4632	0.1490	0.1901	0.2893	0.0000	575.3770	575.3770	0.0908	0.0000	577.6466

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-2-2017	1-1-2018	1.5722	1.5722
2	1-2-2018	4-1-2018	1.0810	1.0810
3	4-2-2018	7-1-2018	1.0885	1.0885
4	7-2-2018	10-1-2018	1.1006	1.1006
5	10-2-2018	1-1-2019	1.1051	1.1051
6	1-2-2019	4-1-2019	0.9816	0.9816
7	4-2-2019	7-1-2019	0.9878	0.9878
8	7-2-2019	9-30-2019	0.7905	0.7905
		Highest	1.5722	1.5722

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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	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Energy	0.0129	0.1170	0.0983	7.0000e-004		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	411.0279	411.0279	0.0153	4.9900e-003	412.8962
Mobile	1.4011	8.1804	12.1026	0.0329	2.0497	0.0425	2.0922	0.5513	0.0401	0.5914	0.0000	3,025.9955	3,025.9955	0.1876	0.0000	3,030.6841
Waste						0.0000	0.0000		0.0000	0.0000	55.1486	0.0000	55.1486	3.2592	0.0000	136.6283
Water						0.0000	0.0000		0.0000	0.0000	2.2678	12.3630	14.6307	0.2335	5.6200e-003	22.1411
Total	1.5766	8.2974	12.2012	0.0336	2.0497	0.0514	2.1011	0.5513	0.0490	0.6003	57.4163	3,449.3870	3,506.8034	3.6955	0.0106	3,602.3504

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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	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Energy	0.0126	0.1145	0.0961	6.9000e-004		8.7000e-003	8.7000e-003		8.7000e-003	8.7000e-003	0.0000	406.0541	406.0541	0.0151	4.9200e-003	407.8973
Mobile	1.4011	8.1804	12.1026	0.0329	2.0497	0.0425	2.0922	0.5513	0.0401	0.5914	0.0000	3,025.9955	3,025.9955	0.1876	0.0000	3,030.6841
Waste						0.0000	0.0000		0.0000	0.0000	55.1486	0.0000	55.1486	3.2592	0.0000	136.6283
Water						0.0000	0.0000		0.0000	0.0000	2.2678	12.3630	14.6307	0.2335	5.6200e-003	22.1411
Total	1.5763	8.2949	12.1991	0.0336	2.0497	0.0512	2.1009	0.5513	0.0488	0.6001	57.4163	3,444.4132	3,501.8295	3.6953	0.0105	3,597.3516

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.02	0.03	0.02	0.03	0.00	0.37	0.01	0.00	0.39	0.03	0.00	0.14	0.14	0.00	0.66	0.14

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/2/2017	11/17/2017	5	35	
2	Site Preparation	Site Preparation	11/18/2017	12/13/2017	5	18	
3	Grading	Grading	12/14/2017	1/31/2018	5	35	
4	Building Construction	Building Construction	2/1/2018	8/19/2019	5	403	
5	Paving	Paving	8/20/2019	10/7/2019	5	35	
6	Architectural Coating	Architectural Coating	10/8/2019	11/25/2019	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 5.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 48,884; Non-Residential Outdoor: 16,295; Striped Parking Area: 15,420 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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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	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	120.00	47.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	24.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

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	0.0718	0.7481	0.4027	6.8000e-004		0.0384	0.0384		0.0357	0.0357	0.0000	62.3009	62.3009	0.0170	0.0000	62.7267
Total	0.0718	0.7481	0.4027	6.8000e-004		0.0384	0.0384		0.0357	0.0357	0.0000	62.3009	62.3009	0.0170	0.0000	62.7267

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3.2 Demolition - 2017

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	1.2400e-003	9.4000e-004	9.8000e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.9506	1.9506	7.0000e-005	0.0000	1.9523
Total	1.2400e-003	9.4000e-004	9.8000e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.9506	1.9506	7.0000e-005	0.0000	1.9523

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	0.0718	0.7481	0.4027	6.8000e-004		0.0384	0.0384		0.0357	0.0357	0.0000	62.3008	62.3008	0.0170	0.0000	62.7266
Total	0.0718	0.7481	0.4027	6.8000e-004		0.0384	0.0384		0.0357	0.0357	0.0000	62.3008	62.3008	0.0170	0.0000	62.7266

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3.2 Demolition - 2017

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	1.2400e-003	9.4000e-004	9.8000e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.9506	1.9506	7.0000e-005	0.0000	1.9523
Total	1.2400e-003	9.4000e-004	9.8000e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.9506	1.9506	7.0000e-005	0.0000	1.9523

3.3 Site Preparation - 2017

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					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0447	0.4705	0.2111	3.4000e-004		0.0259	0.0259		0.0238	0.0238	0.0000	31.8010	31.8010	9.7400e-003	0.0000	32.0446
Total	0.0447	0.4705	0.2111	3.4000e-004	0.1626	0.0259	0.1885	0.0894	0.0238	0.1132	0.0000	31.8010	31.8010	9.7400e-003	0.0000	32.0446

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3.3 Site Preparation - 2017

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	7.7000e-004	5.8000e-004	6.0500e-003	1.0000e-005	1.2700e-003	1.0000e-005	1.2800e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.2038	1.2038	4.0000e-005	0.0000	1.2048
Total	7.7000e-004	5.8000e-004	6.0500e-003	1.0000e-005	1.2700e-003	1.0000e-005	1.2800e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.2038	1.2038	4.0000e-005	0.0000	1.2048

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					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0447	0.4705	0.2111	3.4000e-004		0.0259	0.0259		0.0238	0.0238	0.0000	31.8009	31.8009	9.7400e-003	0.0000	32.0445
Total	0.0447	0.4705	0.2111	3.4000e-004	0.1626	0.0259	0.1885	0.0894	0.0238	0.1132	0.0000	31.8009	31.8009	9.7400e-003	0.0000	32.0445

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3.3 Site Preparation - 2017

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	7.7000e-004	5.8000e-004	6.0500e-003	1.0000e-005	1.2700e-003	1.0000e-005	1.2800e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.2038	1.2038	4.0000e-005	0.0000	1.2048
Total	7.7000e-004	5.8000e-004	6.0500e-003	1.0000e-005	1.2700e-003	1.0000e-005	1.2800e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.2038	1.2038	4.0000e-005	0.0000	1.2048

3.4 Grading - 2017

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					0.1107	0.0000	0.1107	0.0585	0.0000	0.0585	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0184	0.2033	0.1026	1.8000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	16.5357	16.5357	5.0700e-003	0.0000	16.6623
Total	0.0184	0.2033	0.1026	1.8000e-004	0.1107	0.0107	0.1214	0.0585	9.8100e-003	0.0683	0.0000	16.5357	16.5357	5.0700e-003	0.0000	16.6623

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3.4 Grading - 2017

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	4.3000e-004	3.2000e-004	3.3600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6688	0.6688	2.0000e-005	0.0000	0.6694
Total	4.3000e-004	3.2000e-004	3.3600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6688	0.6688	2.0000e-005	0.0000	0.6694

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					0.1107	0.0000	0.1107	0.0585	0.0000	0.0585	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0184	0.2033	0.1026	1.8000e-004		0.0107	0.0107		9.8100e-003	9.8100e-003	0.0000	16.5357	16.5357	5.0700e-003	0.0000	16.6623
Total	0.0184	0.2033	0.1026	1.8000e-004	0.1107	0.0107	0.1214	0.0585	9.8100e-003	0.0683	0.0000	16.5357	16.5357	5.0700e-003	0.0000	16.6623

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3.4 Grading - 2017

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	4.3000e-004	3.2000e-004	3.3600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6688	0.6688	2.0000e-005	0.0000	0.6694
Total	4.3000e-004	3.2000e-004	3.3600e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6688	0.6688	2.0000e-005	0.0000	0.6694

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1107	0.0000	0.1107	0.0585	0.0000	0.0585	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0319	0.3527	0.1906	3.4000e-004		0.0178	0.0178		0.0164	0.0164	0.0000	31.1729	31.1729	9.7000e-003	0.0000	31.4155
Total	0.0319	0.3527	0.1906	3.4000e-004	0.1107	0.0178	0.1285	0.0585	0.0164	0.0749	0.0000	31.1729	31.1729	9.7000e-003	0.0000	31.4155

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3.4 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	5.4000e-004	5.6000e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2451	1.2451	4.0000e-005	0.0000	1.2460
Total	7.2000e-004	5.4000e-004	5.6000e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2451	1.2451	4.0000e-005	0.0000	1.2460

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					0.1107	0.0000	0.1107	0.0585	0.0000	0.0585	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0319	0.3527	0.1906	3.4000e-004		0.0178	0.0178		0.0164	0.0164	0.0000	31.1729	31.1729	9.7000e-003	0.0000	31.4155
Total	0.0319	0.3527	0.1906	3.4000e-004	0.1107	0.0178	0.1285	0.0585	0.0164	0.0749	0.0000	31.1729	31.1729	9.7000e-003	0.0000	31.4155

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3.4 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	5.4000e-004	5.6000e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2451	1.2451	4.0000e-005	0.0000	1.2460
Total	7.2000e-004	5.4000e-004	5.6000e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2451	1.2451	4.0000e-005	0.0000	1.2460

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3189	2.7834	2.0921	3.2000e-003		0.1785	0.1785		0.1678	0.1678	0.0000	282.9430	282.9430	0.0693	0.0000	284.6760
Total	0.3189	2.7834	2.0921	3.2000e-003		0.1785	0.1785		0.1678	0.1678	0.0000	282.9430	282.9430	0.0693	0.0000	284.6760

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3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0281	0.7641	0.1672	1.6500e-003	0.0365	5.3800e-003	0.0419	0.0106	5.1400e-003	0.0157	0.0000	156.9432	156.9432	8.6300e-003	0.0000	157.1590
Worker	0.0597	0.0445	0.4632	1.1400e-003	0.1121	7.7000e-004	0.1129	0.0299	7.1000e-004	0.0306	0.0000	103.0731	103.0731	3.0900e-003	0.0000	103.1504
Total	0.0878	0.8086	0.6304	2.7900e-003	0.1487	6.1500e-003	0.1548	0.0404	5.8500e-003	0.0463	0.0000	260.0163	260.0163	0.0117	0.0000	260.3094

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	0.3189	2.7834	2.0921	3.2000e-003		0.1785	0.1785		0.1678	0.1678	0.0000	282.9427	282.9427	0.0693	0.0000	284.6757
Total	0.3189	2.7834	2.0921	3.2000e-003		0.1785	0.1785		0.1678	0.1678	0.0000	282.9427	282.9427	0.0693	0.0000	284.6757

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3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0281	0.7641	0.1672	1.6500e-003	0.0365	5.3800e-003	0.0419	0.0106	5.1400e-003	0.0157	0.0000	156.9432	156.9432	8.6300e-003	0.0000	157.1590
Worker	0.0597	0.0445	0.4632	1.1400e-003	0.1121	7.7000e-004	0.1129	0.0299	7.1000e-004	0.0306	0.0000	103.0731	103.0731	3.0900e-003	0.0000	103.1504
Total	0.0878	0.8086	0.6304	2.7900e-003	0.1487	6.1500e-003	0.1548	0.0404	5.8500e-003	0.0463	0.0000	260.0163	260.0163	0.0117	0.0000	260.3094

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1948	1.7390	1.4160	2.2200e-003		0.1064	0.1064		0.1001	0.1001	0.0000	193.9610	193.9610	0.0473	0.0000	195.1422
Total	0.1948	1.7390	1.4160	2.2200e-003		0.1064	0.1064		0.1001	0.1001	0.0000	193.9610	193.9610	0.0473	0.0000	195.1422

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3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0172	0.4996	0.1035	1.1400e-003	0.0253	3.0300e-003	0.0283	7.3300e-003	2.8900e-003	0.0102	0.0000	107.8783	107.8783	5.6800e-003	0.0000	108.0204
Worker	0.0375	0.0271	0.2869	7.7000e-004	0.0777	5.3000e-004	0.0783	0.0207	4.9000e-004	0.0212	0.0000	69.3172	69.3172	1.9000e-003	0.0000	69.3647
Total	0.0546	0.5267	0.3904	1.9100e-003	0.1031	3.5600e-003	0.1066	0.0280	3.3800e-003	0.0314	0.0000	177.1956	177.1956	7.5800e-003	0.0000	177.3851

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	0.1948	1.7390	1.4160	2.2200e-003		0.1064	0.1064		0.1001	0.1001	0.0000	193.9607	193.9607	0.0473	0.0000	195.1420
Total	0.1948	1.7390	1.4160	2.2200e-003		0.1064	0.1064		0.1001	0.1001	0.0000	193.9607	193.9607	0.0473	0.0000	195.1420

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3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0172	0.4996	0.1035	1.1400e-003	0.0253	3.0300e-003	0.0283	7.3300e-003	2.8900e-003	0.0102	0.0000	107.8783	107.8783	5.6800e-003	0.0000	108.0204
Worker	0.0375	0.0271	0.2869	7.7000e-004	0.0777	5.3000e-004	0.0783	0.0207	4.9000e-004	0.0212	0.0000	69.3172	69.3172	1.9000e-003	0.0000	69.3647
Total	0.0546	0.5267	0.3904	1.9100e-003	0.1031	3.5600e-003	0.1066	0.0280	3.3800e-003	0.0314	0.0000	177.1956	177.1956	7.5800e-003	0.0000	177.3851

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0255	0.2668	0.2566	4.0000e-004		0.0144	0.0144		0.0133	0.0133	0.0000	35.8316	35.8316	0.0113	0.0000	36.1150
Paving	7.7300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0332	0.2668	0.2566	4.0000e-004		0.0144	0.0144		0.0133	0.0133	0.0000	35.8316	35.8316	0.0113	0.0000	36.1150

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3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	7.2000e-004	7.6100e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8380	1.8380	5.0000e-005	0.0000	1.8392
Total	9.9000e-004	7.2000e-004	7.6100e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8380	1.8380	5.0000e-005	0.0000	1.8392

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	0.0255	0.2668	0.2566	4.0000e-004		0.0144	0.0144		0.0133	0.0133	0.0000	35.8315	35.8315	0.0113	0.0000	36.1149
Paving	7.7300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0332	0.2668	0.2566	4.0000e-004		0.0144	0.0144		0.0133	0.0133	0.0000	35.8315	35.8315	0.0113	0.0000	36.1149

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3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	7.2000e-004	7.6100e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8380	1.8380	5.0000e-005	0.0000	1.8392
Total	9.9000e-004	7.2000e-004	7.6100e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8380	1.8380	5.0000e-005	0.0000	1.8392

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0321	0.0322	5.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	4.4682	4.4682	3.8000e-004	0.0000	4.4776
Total	0.1915	0.0321	0.0322	5.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	4.4682	4.4682	3.8000e-004	0.0000	4.4776

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3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.5900e-003	1.1500e-003	0.0122	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.9407	2.9407	8.0000e-005	0.0000	2.9428
Total	1.5900e-003	1.1500e-003	0.0122	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.9407	2.9407	8.0000e-005	0.0000	2.9428

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	0.1868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0321	0.0322	5.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	4.4682	4.4682	3.8000e-004	0.0000	4.4776
Total	0.1915	0.0321	0.0322	5.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	4.4682	4.4682	3.8000e-004	0.0000	4.4776

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3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	1.5900e-003	1.1500e-003	0.0122	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.9407	2.9407	8.0000e-005	0.0000	2.9428
Total	1.5900e-003	1.1500e-003	0.0122	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.9407	2.9407	8.0000e-005	0.0000	2.9428

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.4011	8.1804	12.1026	0.0329	2.0497	0.0425	2.0922	0.5513	0.0401	0.5914	0.0000	3,025.9955	3,025.9955	0.1876	0.0000	3,030.6841
Unmitigated	1.4011	8.1804	12.1026	0.0329	2.0497	0.0425	2.0922	0.5513	0.0401	0.5914	0.0000	3,025.9955	3,025.9955	0.1876	0.0000	3,030.6841

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	398.07	398.07	398.07	396,551	396,551
Fast Food Restaurant w/o Drive Thru	1,357.99	1,357.99	1,357.99	2,189,855	2,189,855
Fast Food Restaurant with Drive Thru	2,429.28	2,429.28	2,429.28	2,269,737	2,269,737
High Turnover (Sit Down Restaurant)	473.63	473.63	473.63	549,532	549,532
Parking Lot	0.00	0.00	0.00		
Strip Mall	72.14	72.14	72.14	111,099	111,099
Total	4,731.11	4,731.11	4,731.11	5,516,774	5,516,774

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
Fast Food Restaurant w/o Drive Thru	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
Fast Food Restaurant with Drive Thru	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
High Turnover (Sit Down Restaurant)	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
Parking Lot	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
Strip Mall	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	281.4528	281.4528	0.0127	2.6300e-003	282.5556
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	283.6891	283.6891	0.0128	2.6500e-003	284.8007
NaturalGas Mitigated	0.0126	0.1145	0.0961	6.9000e-004		8.7000e-003	8.7000e-003		8.7000e-003	8.7000e-003	0.0000	124.6013	124.6013	2.3900e-003	2.2800e-003	125.3417
NaturalGas Unmitigated	0.0129	0.1170	0.0983	7.0000e-004		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	127.3388	127.3388	2.4400e-003	2.3300e-003	128.0955

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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					
Automobile Care Center	191496	1.0300e-003	9.3900e-003	7.8900e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.2189	10.2189	2.0000e-004	1.9000e-004	10.2797
Fast Food Restaurant w/o Drive Thru	394632	2.1300e-003	0.0193	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.0591	21.0591	4.0000e-004	3.9000e-004	21.1842
Fast Food Restaurant with Drive Thru	1.0518e+006	5.6700e-003	0.0516	0.0433	3.1000e-004		3.9200e-003	3.9200e-003		3.9200e-003	3.9200e-003	0.0000	56.1283	56.1283	1.0800e-003	1.0300e-003	56.4618
High Turnover (Sit Down Restaurant)	717463	3.8700e-003	0.0352	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2866	38.2866	7.3000e-004	7.0000e-004	38.5141
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	30843.8	1.7000e-004	1.5100e-003	1.2700e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.6459	1.6459	3.0000e-005	3.0000e-005	1.6557
Total		0.0129	0.1170	0.0983	7.1000e-004		8.8800e-003	8.8800e-003		8.8800e-003	8.8800e-003	0.0000	127.3388	127.3388	2.4400e-003	2.3400e-003	128.0955

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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					
Automobile Care Center	181951	9.8000e-004	8.9200e-003	7.4900e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7096	9.7096	1.9000e-004	1.8000e-004	9.7673
Fast Food Restaurant w/o Drive Thru	387290	2.0900e-003	0.0190	0.0160	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.6673	20.6673	4.0000e-004	3.8000e-004	20.7901
Fast Food Restaurant with Drive Thru	1.03223e+006	5.5700e-003	0.0506	0.0425	3.0000e-004		3.8500e-003	3.8500e-003		3.8500e-003	3.8500e-003	0.0000	55.0840	55.0840	1.0600e-003	1.0100e-003	55.4113
High Turnover (Sit Down Restaurant)	704114	3.8000e-003	0.0345	0.0290	2.1000e-004		2.6200e-003	2.6200e-003		2.6200e-003	2.6200e-003	0.0000	37.5742	37.5742	7.2000e-004	6.9000e-004	37.7975
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	29348.8	1.6000e-004	1.4400e-003	1.2100e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5662	1.5662	3.0000e-005	3.0000e-005	1.5755
Total		0.0126	0.1145	0.0961	6.8000e-004		8.7000e-003	8.7000e-003		8.7000e-003	8.7000e-003	0.0000	124.6013	124.6013	2.4000e-003	2.2900e-003	125.3417

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	88028.6	25.6085	1.1600e-003	2.4000e-004	25.7089
Fast Food Restaurant w/o Drive Thru	114732	33.3769	1.5100e-003	3.1000e-004	33.5076
Fast Food Restaurant with Drive Thru	305793	88.9586	4.0200e-003	8.3000e-004	89.3072
High Turnover (Sit Down Restaurant)	208589	60.6810	2.7400e-003	5.7000e-004	60.9187
Parking Lot	226164	65.7936	2.9700e-003	6.2000e-004	66.0514
Strip Mall	31867.5	9.2706	4.2000e-004	9.0000e-005	9.3070
Total		283.6891	0.0128	2.6600e-003	284.8007

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	87144.3	25.3513	1.1500e-003	2.4000e-004	25.4506
Fast Food Restaurant w/o Drive Thru	113589	33.0443	1.4900e-003	3.1000e-004	33.1738
Fast Food Restaurant with Drive Thru	302746	88.0724	3.9800e-003	8.2000e-004	88.4175
High Turnover (Sit Down Restaurant)	206511	60.0765	2.7200e-003	5.6000e-004	60.3119
Parking Lot	226164	65.7936	2.9700e-003	6.2000e-004	66.0514
Strip Mall	31332	9.1148	4.1000e-004	9.0000e-005	9.1506
Total		281.4528	0.0127	2.6400e-003	282.5556

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Unmitigated	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Total	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

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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	0.0187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Total	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Rockin Shopping Center - 2019 - Placer County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14.6307	0.2335	5.6200e-003	22.1411
Unmitigated	14.6307	0.2335	5.6200e-003	22.1411

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.961509 / 0.589312	2.4186	0.0314	7.6000e-004	3.4306
Fast Food Restaurant w/o Drive Thru	1.09272 / 0.0697482	2.1378	0.0357	8.6000e-004	3.2855
Fast Food Restaurant with Drive Thru	2.91392 / 0.185995	5.7007	0.0952	2.2900e-003	8.7613
High Turnover (Sit Down Restaurant)	1.98511 / 0.126709	3.8836	0.0648	1.5600e-003	5.9686
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.194811 / 0.1194	0.4900	6.3700e-003	1.5000e-004	0.6951
Total		14.6307	0.2335	5.6200e-003	22.1411

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.961509 / 0.589312	2.4186	0.0314	7.6000e-004	3.4306
Fast Food Restaurant w/o Drive Thru	1.09272 / 0.0697482	2.1378	0.0357	8.6000e-004	3.2855
Fast Food Restaurant with Drive Thru	2.91392 / 0.185995	5.7007	0.0952	2.2900e-003	8.7613
High Turnover (Sit Down Restaurant)	1.98511 / 0.126709	3.8836	0.0648	1.5600e-003	5.9686
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.194811 / 0.1194	0.4900	6.3700e-003	1.5000e-004	0.6951
Total		14.6307	0.2335	5.6200e-003	22.1411

8.0 Waste Detail

8.1 Mitigation Measures Waste

Rockin Shopping Center - 2019 - Placer County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	55.1486	3.2592	0.0000	136.6283
Unmitigated	55.1486	3.2592	0.0000	136.6283

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	39.04	7.9248	0.4683	0.0000	19.6333
Fast Food Restaurant w/o Drive Thru	41.47	8.4180	0.4975	0.0000	20.8553
Fast Food Restaurant with Drive Thru	110.58	22.4467	1.3266	0.0000	55.6109
High Turnover (Sit Down Restaurant)	77.83	15.7988	0.9337	0.0000	39.1408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.76	0.5603	0.0331	0.0000	1.3880
Total		55.1486	3.2592	0.0000	136.6283

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	39.04	7.9248	0.4683	0.0000	19.6333
Fast Food Restaurant w/o Drive Thru	41.47	8.4180	0.4975	0.0000	20.8553
Fast Food Restaurant with Drive Thru	110.58	22.4467	1.3266	0.0000	55.6109
High Turnover (Sit Down Restaurant)	77.83	15.7988	0.9337	0.0000	39.1408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.76	0.5603	0.0331	0.0000	1.3880
Total		55.1486	3.2592	0.0000	136.6283

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

Rocklin Shopping Center - 2010
Placer County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	5.90	Acre	5.90	257,004.00	0
Fast Food Restaurant w/o Drive Thru	3.60	1000sqft	0.08	3,600.00	0
Fast Food Restaurant with Drive Thru	9.60	1000sqft	0.22	9,595.00	0
High Turnover (Sit Down Restaurant)	6.54	1000sqft	0.15	6,545.00	0
Automobile Care Center	10.22	1000sqft	0.23	10,224.00	0
Strip Mall	2.63	1000sqft	0.06	2,625.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - per 5/11/17 site plan
 Construction Phase - Operational run only
 Vehicle Trips -
 Energy Use - Using historical data

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Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	250
tblAreaCoating	Area_EF_Nonresidential_Interior	100	250
tblAreaCoating	Area_EF_Residential_Exterior	100	250
tblAreaCoating	Area_EF_Residential_Interior	100	250
tblLandUse	BuildingSpaceSquareFeet	9,600.00	9,595.00
tblLandUse	BuildingSpaceSquareFeet	6,540.00	6,545.00
tblLandUse	BuildingSpaceSquareFeet	2,630.00	2,625.00
tblLandUse	LandUseSquareFeet	9,600.00	9,595.00
tblLandUse	LandUseSquareFeet	6,540.00	6,545.00
tblLandUse	LandUseSquareFeet	2,630.00	2,625.00
tblVehicleEF	HHD	1.04	1.92
tblVehicleEF	HHD	9.0870e-003	0.06
tblVehicleEF	HHD	0.24	0.57
tblVehicleEF	HHD	4.20	11.22
tblVehicleEF	HHD	0.81	4.36
tblVehicleEF	HHD	3.07	14.78
tblVehicleEF	HHD	6,635.93	3,388.80
tblVehicleEF	HHD	1,648.16	1,803.34
tblVehicleEF	HHD	8.00	34.52
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	32.30	29.47
tblVehicleEF	HHD	4.62	14.57
tblVehicleEF	HHD	20.13	3.33
tblVehicleEF	HHD	0.06	0.81
tblVehicleEF	HHD	0.06	0.06

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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.51
tblVehicleEF	HHD	1.6700e-004	2.4410e-003
tblVehicleEF	HHD	0.06	0.77
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8680e-003	8.8600e-003
tblVehicleEF	HHD	0.03	0.49
tblVehicleEF	HHD	1.5600e-004	2.3220e-003
tblVehicleEF	HHD	1.0700e-004	8.2900e-004
tblVehicleEF	HHD	7.8510e-003	0.07
tblVehicleEF	HHD	1.16	4.46
tblVehicleEF	HHD	5.3000e-005	3.2900e-004
tblVehicleEF	HHD	0.15	1.08
tblVehicleEF	HHD	5.5700e-004	7.2450e-003
tblVehicleEF	HHD	0.17	0.84
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.3300e-004	6.0400e-004
tblVehicleEF	HHD	1.0700e-004	8.2900e-004
tblVehicleEF	HHD	7.8510e-003	0.07
tblVehicleEF	HHD	1.32	5.08
tblVehicleEF	HHD	5.3000e-005	3.2900e-004
tblVehicleEF	HHD	0.18	1.24
tblVehicleEF	HHD	5.5700e-004	7.2450e-003
tblVehicleEF	HHD	0.18	0.91
tblVehicleEF	HHD	0.98	1.87
tblVehicleEF	HHD	9.1860e-003	0.06

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tblVehicleEF	HHD	0.22	0.50
tblVehicleEF	HHD	3.09	9.22
tblVehicleEF	HHD	0.82	4.32
tblVehicleEF	HHD	2.70	13.83
tblVehicleEF	HHD	7,019.00	3,506.65
tblVehicleEF	HHD	1,648.16	1,803.34
tblVehicleEF	HHD	8.00	34.52
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	33.30	30.18
tblVehicleEF	HHD	4.38	13.81
tblVehicleEF	HHD	20.10	3.26
tblVehicleEF	HHD	0.06	0.77
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.51
tblVehicleEF	HHD	1.6700e-004	2.4410e-003
tblVehicleEF	HHD	0.05	0.73
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8680e-003	8.8600e-003
tblVehicleEF	HHD	0.03	0.49
tblVehicleEF	HHD	1.5600e-004	2.3220e-003
tblVehicleEF	HHD	2.9800e-004	2.5110e-003
tblVehicleEF	HHD	8.9700e-003	0.09
tblVehicleEF	HHD	1.10	4.35
tblVehicleEF	HHD	1.6300e-004	1.1300e-003
tblVehicleEF	HHD	0.15	1.08
tblVehicleEF	HHD	5.5500e-004	7.1430e-003

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tblVehicleEF	HHD	0.15	0.74
tblVehicleEF	HHD	0.07	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2700e-004	5.8600e-004
tblVehicleEF	HHD	2.9800e-004	2.5110e-003
tblVehicleEF	HHD	8.9700e-003	0.09
tblVehicleEF	HHD	1.25	4.95
tblVehicleEF	HHD	1.6300e-004	1.1300e-003
tblVehicleEF	HHD	0.18	1.24
tblVehicleEF	HHD	5.5500e-004	7.1430e-003
tblVehicleEF	HHD	0.17	0.81
tblVehicleEF	HHD	1.12	1.98
tblVehicleEF	HHD	9.0180e-003	0.06
tblVehicleEF	HHD	0.25	0.63
tblVehicleEF	HHD	5.73	13.98
tblVehicleEF	HHD	0.81	4.41
tblVehicleEF	HHD	3.36	16.14
tblVehicleEF	HHD	6,106.92	3,226.06
tblVehicleEF	HHD	1,648.16	1,803.34
tblVehicleEF	HHD	8.00	34.52
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	30.91	28.50
tblVehicleEF	HHD	4.69	14.79
tblVehicleEF	HHD	20.15	3.38
tblVehicleEF	HHD	0.07	0.87
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04

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tblVehicleEF	HHD	0.03	0.51
tblVehicleEF	HHD	1.6700e-004	2.4410e-003
tblVehicleEF	HHD	0.07	0.83
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8680e-003	8.8600e-003
tblVehicleEF	HHD	0.03	0.49
tblVehicleEF	HHD	1.5600e-004	2.3220e-003
tblVehicleEF	HHD	2.1000e-005	1.0200e-004
tblVehicleEF	HHD	8.5880e-003	0.09
tblVehicleEF	HHD	1.24	4.61
tblVehicleEF	HHD	1.3000e-005	5.3000e-005
tblVehicleEF	HHD	0.15	1.08
tblVehicleEF	HHD	6.0500e-004	7.8260e-003
tblVehicleEF	HHD	0.18	0.93
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.3800e-004	6.2800e-004
tblVehicleEF	HHD	2.1000e-005	1.0200e-004
tblVehicleEF	HHD	8.5880e-003	0.09
tblVehicleEF	HHD	1.41	5.25
tblVehicleEF	HHD	1.3000e-005	5.3000e-005
tblVehicleEF	HHD	0.18	1.24
tblVehicleEF	HHD	6.0500e-004	7.8260e-003
tblVehicleEF	HHD	0.19	1.01
tblVehicleEF	LDA	5.7450e-003	0.02
tblVehicleEF	LDA	0.01	0.03
tblVehicleEF	LDA	0.76	2.05

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tblVehicleEF	LDA	2.01	4.96
tblVehicleEF	LDA	283.86	328.97
tblVehicleEF	LDA	64.97	72.98
tblVehicleEF	LDA	0.48	0.44
tblVehicleEF	LDA	0.07	0.20
tblVehicleEF	LDA	0.13	0.34
tblVehicleEF	LDA	1.7880e-003	3.0740e-003
tblVehicleEF	LDA	2.3840e-003	4.5590e-003
tblVehicleEF	LDA	1.6510e-003	2.8560e-003
tblVehicleEF	LDA	2.1940e-003	4.2240e-003
tblVehicleEF	LDA	0.05	0.10
tblVehicleEF	LDA	0.14	0.24
tblVehicleEF	LDA	0.03	0.06
tblVehicleEF	LDA	0.02	0.07
tblVehicleEF	LDA	0.05	0.13
tblVehicleEF	LDA	0.14	0.46
tblVehicleEF	LDA	2.8450e-003	3.3180e-003
tblVehicleEF	LDA	6.8500e-004	8.2100e-004
tblVehicleEF	LDA	0.05	0.10
tblVehicleEF	LDA	0.14	0.24
tblVehicleEF	LDA	0.03	0.06
tblVehicleEF	LDA	0.02	0.09
tblVehicleEF	LDA	0.05	0.13
tblVehicleEF	LDA	0.16	0.50
tblVehicleEF	LDA	6.5870e-003	0.02
tblVehicleEF	LDA	8.2690e-003	0.03
tblVehicleEF	LDA	0.93	2.41

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tblVehicleEF	LDA	1.57	3.96
tblVehicleEF	LDA	312.04	361.75
tblVehicleEF	LDA	64.97	72.98
tblVehicleEF	LDA	0.48	0.44
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	0.12	0.31
tblVehicleEF	LDA	1.7880e-003	3.0740e-003
tblVehicleEF	LDA	2.3840e-003	4.5590e-003
tblVehicleEF	LDA	1.6510e-003	2.8560e-003
tblVehicleEF	LDA	2.1940e-003	4.2240e-003
tblVehicleEF	LDA	0.14	0.31
tblVehicleEF	LDA	0.17	0.34
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	0.02	0.07
tblVehicleEF	LDA	0.05	0.12
tblVehicleEF	LDA	0.11	0.36
tblVehicleEF	LDA	3.1290e-003	3.6510e-003
tblVehicleEF	LDA	6.7700e-004	8.0200e-004
tblVehicleEF	LDA	0.14	0.31
tblVehicleEF	LDA	0.17	0.34
tblVehicleEF	LDA	0.09	0.19
tblVehicleEF	LDA	0.03	0.09
tblVehicleEF	LDA	0.05	0.12
tblVehicleEF	LDA	0.12	0.39
tblVehicleEF	LDA	5.5260e-003	0.02
tblVehicleEF	LDA	0.01	0.04
tblVehicleEF	LDA	0.73	2.04

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tblVehicleEF	LDA	2.42	5.93
tblVehicleEF	LDA	276.69	320.63
tblVehicleEF	LDA	64.97	72.98
tblVehicleEF	LDA	0.48	0.44
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	0.14	0.38
tblVehicleEF	LDA	1.7880e-003	3.0740e-003
tblVehicleEF	LDA	2.3840e-003	4.5590e-003
tblVehicleEF	LDA	1.6510e-003	2.8560e-003
tblVehicleEF	LDA	2.1940e-003	4.2240e-003
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.14	0.26
tblVehicleEF	LDA	8.0170e-003	0.01
tblVehicleEF	LDA	0.02	0.07
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	0.17	0.54
tblVehicleEF	LDA	2.7730e-003	3.2340e-003
tblVehicleEF	LDA	6.9200e-004	8.3900e-004
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.14	0.26
tblVehicleEF	LDA	8.0170e-003	0.01
tblVehicleEF	LDA	0.02	0.09
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	0.18	0.59
tblVehicleEF	LDT1	0.01	0.04
tblVehicleEF	LDT1	0.03	0.07
tblVehicleEF	LDT1	1.78	4.82

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tblVehicleEF	LDT1	5.09	10.16
tblVehicleEF	LDT1	339.01	380.63
tblVehicleEF	LDT1	77.90	86.76
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.18	0.46
tblVehicleEF	LDT1	0.27	0.53
tblVehicleEF	LDT1	2.7880e-003	5.7670e-003
tblVehicleEF	LDT1	4.2600e-003	8.9760e-003
tblVehicleEF	LDT1	2.5730e-003	5.3540e-003
tblVehicleEF	LDT1	3.9270e-003	8.3470e-003
tblVehicleEF	LDT1	0.15	0.23
tblVehicleEF	LDT1	0.35	0.53
tblVehicleEF	LDT1	0.09	0.12
tblVehicleEF	LDT1	0.04	0.18
tblVehicleEF	LDT1	0.22	0.40
tblVehicleEF	LDT1	0.37	0.89
tblVehicleEF	LDT1	3.4130e-003	3.8810e-003
tblVehicleEF	LDT1	8.7000e-004	1.0550e-003
tblVehicleEF	LDT1	0.15	0.23
tblVehicleEF	LDT1	0.35	0.53
tblVehicleEF	LDT1	0.09	0.12
tblVehicleEF	LDT1	0.06	0.23
tblVehicleEF	LDT1	0.22	0.40
tblVehicleEF	LDT1	0.41	0.97
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.02	0.05
tblVehicleEF	LDT1	2.09	5.35

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tblVehicleEF	LDT1	3.94	8.13
tblVehicleEF	LDT1	371.11	414.57
tblVehicleEF	LDT1	77.90	86.76
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.16	0.40
tblVehicleEF	LDT1	0.24	0.47
tblVehicleEF	LDT1	2.7880e-003	5.7670e-003
tblVehicleEF	LDT1	4.2600e-003	8.9760e-003
tblVehicleEF	LDT1	2.5730e-003	5.3540e-003
tblVehicleEF	LDT1	3.9270e-003	8.3470e-003
tblVehicleEF	LDT1	0.42	0.68
tblVehicleEF	LDT1	0.45	0.73
tblVehicleEF	LDT1	0.26	0.40
tblVehicleEF	LDT1	0.05	0.18
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.29	0.69
tblVehicleEF	LDT1	3.7390e-003	4.2280e-003
tblVehicleEF	LDT1	8.4900e-004	1.0160e-003
tblVehicleEF	LDT1	0.42	0.68
tblVehicleEF	LDT1	0.45	0.73
tblVehicleEF	LDT1	0.26	0.40
tblVehicleEF	LDT1	0.07	0.23
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.32	0.76
tblVehicleEF	LDT1	0.01	0.04
tblVehicleEF	LDT1	0.03	0.08
tblVehicleEF	LDT1	1.75	4.94

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tblVehicleEF	LDT1	6.18	12.16
tblVehicleEF	LDT1	330.78	371.92
tblVehicleEF	LDT1	77.90	86.76
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.20	0.51
tblVehicleEF	LDT1	0.30	0.58
tblVehicleEF	LDT1	2.7880e-003	5.7670e-003
tblVehicleEF	LDT1	4.2600e-003	8.9760e-003
tblVehicleEF	LDT1	2.5730e-003	5.3540e-003
tblVehicleEF	LDT1	3.9270e-003	8.3470e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.36	0.59
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.04	0.19
tblVehicleEF	LDT1	0.27	0.48
tblVehicleEF	LDT1	0.44	1.06
tblVehicleEF	LDT1	3.3310e-003	3.7960e-003
tblVehicleEF	LDT1	8.8900e-004	1.0920e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.36	0.59
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.06	0.24
tblVehicleEF	LDT1	0.27	0.48
tblVehicleEF	LDT1	0.48	1.16
tblVehicleEF	LDT2	7.8080e-003	0.02
tblVehicleEF	LDT2	0.01	0.04
tblVehicleEF	LDT2	1.01	2.38

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tblVehicleEF	LDT2	2.76	6.27
tblVehicleEF	LDT2	390.35	453.07
tblVehicleEF	LDT2	89.93	99.90
tblVehicleEF	LDT2	0.22	0.20
tblVehicleEF	LDT2	0.12	0.33
tblVehicleEF	LDT2	0.24	0.59
tblVehicleEF	LDT2	1.5720e-003	2.4140e-003
tblVehicleEF	LDT2	2.2890e-003	4.0910e-003
tblVehicleEF	LDT2	1.4460e-003	2.2270e-003
tblVehicleEF	LDT2	2.1060e-003	3.7820e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.06
tblVehicleEF	LDT2	0.09	0.15
tblVehicleEF	LDT2	0.19	0.50
tblVehicleEF	LDT2	3.9130e-003	4.5620e-003
tblVehicleEF	LDT2	9.4700e-004	1.1120e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.03	0.09
tblVehicleEF	LDT2	0.09	0.15
tblVehicleEF	LDT2	0.21	0.55
tblVehicleEF	LDT2	8.9160e-003	0.02
tblVehicleEF	LDT2	0.01	0.03
tblVehicleEF	LDT2	1.24	2.80

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tblVehicleEF	LDT2	2.15	4.91
tblVehicleEF	LDT2	428.54	496.20
tblVehicleEF	LDT2	89.93	99.90
tblVehicleEF	LDT2	0.22	0.20
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	0.21	0.53
tblVehicleEF	LDT2	1.5720e-003	2.4140e-003
tblVehicleEF	LDT2	2.2890e-003	4.0910e-003
tblVehicleEF	LDT2	1.4460e-003	2.2270e-003
tblVehicleEF	LDT2	2.1060e-003	3.7820e-003
tblVehicleEF	LDT2	0.17	0.27
tblVehicleEF	LDT2	0.20	0.30
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	0.02	0.07
tblVehicleEF	LDT2	0.08	0.14
tblVehicleEF	LDT2	0.15	0.39
tblVehicleEF	LDT2	4.2980e-003	5.0000e-003
tblVehicleEF	LDT2	9.3600e-004	1.0870e-003
tblVehicleEF	LDT2	0.17	0.27
tblVehicleEF	LDT2	0.20	0.30
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	0.03	0.09
tblVehicleEF	LDT2	0.08	0.14
tblVehicleEF	LDT2	0.16	0.43
tblVehicleEF	LDT2	7.4950e-003	0.02
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.98	2.34

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tblVehicleEF	LDT2	3.33	7.52
tblVehicleEF	LDT2	380.51	441.99
tblVehicleEF	LDT2	89.93	99.90
tblVehicleEF	LDT2	0.22	0.20
tblVehicleEF	LDT2	0.13	0.37
tblVehicleEF	LDT2	0.26	0.65
tblVehicleEF	LDT2	1.5720e-003	2.4140e-003
tblVehicleEF	LDT2	2.2890e-003	4.0910e-003
tblVehicleEF	LDT2	1.4460e-003	2.2270e-003
tblVehicleEF	LDT2	2.1060e-003	3.7820e-003
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.16	0.23
tblVehicleEF	LDT2	0.01	9.5800e-003
tblVehicleEF	LDT2	0.02	0.07
tblVehicleEF	LDT2	0.10	0.18
tblVehicleEF	LDT2	0.22	0.59
tblVehicleEF	LDT2	3.8140e-003	4.4510e-003
tblVehicleEF	LDT2	9.5700e-004	1.1350e-003
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.16	0.23
tblVehicleEF	LDT2	0.01	9.5800e-003
tblVehicleEF	LDT2	0.03	0.09
tblVehicleEF	LDT2	0.10	0.18
tblVehicleEF	LDT2	0.24	0.65
tblVehicleEF	LHD1	4.9470e-003	5.7530e-003
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	0.02	0.03

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tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	1.65	2.44
tblVehicleEF	LHD1	2.81	4.47
tblVehicleEF	LHD1	9.60	9.44
tblVehicleEF	LHD1	697.21	714.81
tblVehicleEF	LHD1	26.79	29.71
tblVehicleEF	LHD1	0.03	0.05
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	3.01	3.58
tblVehicleEF	LHD1	0.92	1.00
tblVehicleEF	LHD1	1.1760e-003	1.1300e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.0160e-003	1.5970e-003
tblVehicleEF	LHD1	1.1250e-003	1.0810e-003
tblVehicleEF	LHD1	2.5860e-003	2.5370e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	9.3700e-004	1.4750e-003
tblVehicleEF	LHD1	2.3810e-003	2.5250e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	9.3500e-004	8.4900e-004
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.28	0.23
tblVehicleEF	LHD1	0.28	0.37
tblVehicleEF	LHD1	9.5000e-005	9.4000e-005
tblVehicleEF	LHD1	6.8270e-003	7.0300e-003

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tblVehicleEF	LHD1	3.2100e-004	3.7900e-004
tblVehicleEF	LHD1	2.3810e-003	2.5250e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	9.3500e-004	8.4900e-004
tblVehicleEF	LHD1	0.23	0.27
tblVehicleEF	LHD1	0.28	0.23
tblVehicleEF	LHD1	0.31	0.41
tblVehicleEF	LHD1	4.9470e-003	5.7530e-003
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	1.68	2.50
tblVehicleEF	LHD1	2.51	3.98
tblVehicleEF	LHD1	9.60	9.44
tblVehicleEF	LHD1	697.21	714.81
tblVehicleEF	LHD1	26.79	29.71
tblVehicleEF	LHD1	0.03	0.05
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	2.83	3.35
tblVehicleEF	LHD1	0.85	0.92
tblVehicleEF	LHD1	1.1760e-003	1.1300e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.0160e-003	1.5970e-003
tblVehicleEF	LHD1	1.1250e-003	1.0810e-003
tblVehicleEF	LHD1	2.5860e-003	2.5370e-003

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tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	9.3700e-004	1.4750e-003
tblVehicleEF	LHD1	6.5460e-003	7.3120e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7010e-003	2.8380e-003
tblVehicleEF	LHD1	0.19	0.22
tblVehicleEF	LHD1	0.27	0.23
tblVehicleEF	LHD1	0.26	0.34
tblVehicleEF	LHD1	9.5000e-005	9.4000e-005
tblVehicleEF	LHD1	6.8280e-003	7.0310e-003
tblVehicleEF	LHD1	3.1500e-004	3.7000e-004
tblVehicleEF	LHD1	6.5460e-003	7.3120e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7010e-003	2.8380e-003
tblVehicleEF	LHD1	0.23	0.27
tblVehicleEF	LHD1	0.27	0.23
tblVehicleEF	LHD1	0.29	0.38
tblVehicleEF	LHD1	4.9470e-003	5.7530e-003
tblVehicleEF	LHD1	0.02	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	1.63	2.41
tblVehicleEF	LHD1	3.07	4.89
tblVehicleEF	LHD1	9.60	9.44
tblVehicleEF	LHD1	697.21	714.81

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tblVehicleEF	LHD1	26.79	29.71
tblVehicleEF	LHD1	0.03	0.05
tblVehicleEF	LHD1	0.11	0.10
tblVehicleEF	LHD1	3.07	3.65
tblVehicleEF	LHD1	0.98	1.08
tblVehicleEF	LHD1	1.1760e-003	1.1300e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.0160e-003	1.5970e-003
tblVehicleEF	LHD1	1.1250e-003	1.0810e-003
tblVehicleEF	LHD1	2.5860e-003	2.5370e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	9.3700e-004	1.4750e-003
tblVehicleEF	LHD1	5.1800e-004	4.0000e-004
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7700e-004	1.9000e-004
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.31	0.25
tblVehicleEF	LHD1	0.30	0.40
tblVehicleEF	LHD1	9.5000e-005	9.4000e-005
tblVehicleEF	LHD1	6.8270e-003	7.0290e-003
tblVehicleEF	LHD1	3.2600e-004	3.8700e-004
tblVehicleEF	LHD1	5.1800e-004	4.0000e-004
tblVehicleEF	LHD1	0.10	0.10
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7700e-004	1.9000e-004

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tblVehicleEF	LHD1	0.23	0.27
tblVehicleEF	LHD1	0.31	0.25
tblVehicleEF	LHD1	0.33	0.44
tblVehicleEF	LHD2	3.6360e-003	4.0490e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.8490e-003	0.01
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.91	1.44
tblVehicleEF	LHD2	1.37	2.36
tblVehicleEF	LHD2	15.02	14.89
tblVehicleEF	LHD2	738.02	752.45
tblVehicleEF	LHD2	21.97	22.75
tblVehicleEF	LHD2	7.2890e-003	9.4030e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	2.23	3.96
tblVehicleEF	LHD2	0.55	0.63
tblVehicleEF	LHD2	1.4500e-003	1.4490e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	4.0400e-004	7.0100e-004
tblVehicleEF	LHD2	1.3870e-003	1.3860e-003
tblVehicleEF	LHD2	2.7150e-003	2.7050e-003
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	3.7200e-004	6.4500e-004
tblVehicleEF	LHD2	9.6400e-004	1.1380e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.02

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tblVehicleEF	LHD2	4.0000e-004	3.8900e-004
tblVehicleEF	LHD2	0.15	0.18
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.13	0.20
tblVehicleEF	LHD2	1.4600e-004	1.4500e-004
tblVehicleEF	LHD2	7.1680e-003	7.3200e-003
tblVehicleEF	LHD2	2.4500e-004	2.7100e-004
tblVehicleEF	LHD2	9.6400e-004	1.1380e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.0000e-004	3.8900e-004
tblVehicleEF	LHD2	0.17	0.22
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.15	0.22
tblVehicleEF	LHD2	3.6360e-003	4.0490e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.1160e-003	0.01
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.92	1.47
tblVehicleEF	LHD2	1.23	2.10
tblVehicleEF	LHD2	15.02	14.89
tblVehicleEF	LHD2	738.02	752.45
tblVehicleEF	LHD2	21.97	22.75
tblVehicleEF	LHD2	7.2890e-003	9.4030e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	2.10	3.73
tblVehicleEF	LHD2	0.50	0.58

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tblVehicleEF	LHD2	1.4500e-003	1.4490e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	4.0400e-004	7.0100e-004
tblVehicleEF	LHD2	1.3870e-003	1.3860e-003
tblVehicleEF	LHD2	2.7150e-003	2.7050e-003
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	3.7200e-004	6.4500e-004
tblVehicleEF	LHD2	2.6190e-003	3.2730e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1270e-003	1.2950e-003
tblVehicleEF	LHD2	0.15	0.18
tblVehicleEF	LHD2	0.08	0.10
tblVehicleEF	LHD2	0.12	0.18
tblVehicleEF	LHD2	1.4600e-004	1.4500e-004
tblVehicleEF	LHD2	7.1690e-003	7.3210e-003
tblVehicleEF	LHD2	2.4300e-004	2.6600e-004
tblVehicleEF	LHD2	2.6190e-003	3.2730e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1270e-003	1.2950e-003
tblVehicleEF	LHD2	0.17	0.22
tblVehicleEF	LHD2	0.08	0.10
tblVehicleEF	LHD2	0.13	0.20
tblVehicleEF	LHD2	3.6360e-003	4.0490e-003
tblVehicleEF	LHD2	0.01	0.02

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tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.90	1.41
tblVehicleEF	LHD2	1.49	2.58
tblVehicleEF	LHD2	15.02	14.89
tblVehicleEF	LHD2	738.02	752.45
tblVehicleEF	LHD2	21.97	22.75
tblVehicleEF	LHD2	7.2890e-003	9.4030e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	2.27	4.03
tblVehicleEF	LHD2	0.59	0.68
tblVehicleEF	LHD2	1.4500e-003	1.4490e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	4.0400e-004	7.0100e-004
tblVehicleEF	LHD2	1.3870e-003	1.3860e-003
tblVehicleEF	LHD2	2.7150e-003	2.7050e-003
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	3.7200e-004	6.4500e-004
tblVehicleEF	LHD2	2.2500e-004	1.8300e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2300e-004	8.8000e-005
tblVehicleEF	LHD2	0.15	0.18
tblVehicleEF	LHD2	0.09	0.11
tblVehicleEF	LHD2	0.14	0.21
tblVehicleEF	LHD2	1.4600e-004	1.4500e-004

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tblVehicleEF	LHD2	7.1680e-003	7.3200e-003
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	2.2500e-004	1.8300e-004
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2300e-004	8.8000e-005
tblVehicleEF	LHD2	0.17	0.22
tblVehicleEF	LHD2	0.09	0.11
tblVehicleEF	LHD2	0.15	0.23
tblVehicleEF	MCY	0.41	0.35
tblVehicleEF	MCY	0.18	0.20
tblVehicleEF	MCY	24.09	30.02
tblVehicleEF	MCY	10.66	10.48
tblVehicleEF	MCY	162.34	154.86
tblVehicleEF	MCY	49.30	53.00
tblVehicleEF	MCY	6.4190e-003	8.2100e-003
tblVehicleEF	MCY	1.23	1.29
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	1.8800e-003	2.1900e-003
tblVehicleEF	MCY	4.8100e-003	6.3660e-003
tblVehicleEF	MCY	1.7720e-003	2.0800e-003
tblVehicleEF	MCY	4.5640e-003	6.0610e-003
tblVehicleEF	MCY	1.15	1.00
tblVehicleEF	MCY	0.91	0.81
tblVehicleEF	MCY	0.57	0.49
tblVehicleEF	MCY	2.53	2.93
tblVehicleEF	MCY	0.84	0.88

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tblVehicleEF	MCY	2.53	2.78
tblVehicleEF	MCY	2.0870e-003	2.1160e-003
tblVehicleEF	MCY	7.4200e-004	7.8400e-004
tblVehicleEF	MCY	1.15	1.00
tblVehicleEF	MCY	0.91	0.81
tblVehicleEF	MCY	0.57	0.49
tblVehicleEF	MCY	3.02	3.36
tblVehicleEF	MCY	0.84	0.88
tblVehicleEF	MCY	2.75	3.02
tblVehicleEF	MCY	0.39	0.32
tblVehicleEF	MCY	0.15	0.16
tblVehicleEF	MCY	22.78	28.03
tblVehicleEF	MCY	9.22	9.30
tblVehicleEF	MCY	162.34	154.86
tblVehicleEF	MCY	49.30	53.00
tblVehicleEF	MCY	6.4190e-003	8.2100e-003
tblVehicleEF	MCY	1.02	1.07
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	1.8800e-003	2.1900e-003
tblVehicleEF	MCY	4.8100e-003	6.3660e-003
tblVehicleEF	MCY	1.7720e-003	2.0800e-003
tblVehicleEF	MCY	4.5640e-003	6.0610e-003
tblVehicleEF	MCY	3.48	3.09
tblVehicleEF	MCY	1.40	1.19
tblVehicleEF	MCY	1.99	1.83
tblVehicleEF	MCY	2.36	2.67
tblVehicleEF	MCY	0.81	0.85

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tblVehicleEF	MCY	1.98	2.14
tblVehicleEF	MCY	2.0610e-003	2.0760e-003
tblVehicleEF	MCY	7.0200e-004	7.4500e-004
tblVehicleEF	MCY	3.48	3.09
tblVehicleEF	MCY	1.40	1.19
tblVehicleEF	MCY	1.99	1.83
tblVehicleEF	MCY	2.83	3.07
tblVehicleEF	MCY	0.81	0.85
tblVehicleEF	MCY	2.16	2.33
tblVehicleEF	MCY	0.43	0.37
tblVehicleEF	MCY	0.22	0.25
tblVehicleEF	MCY	26.54	33.46
tblVehicleEF	MCY	12.44	12.10
tblVehicleEF	MCY	162.34	154.86
tblVehicleEF	MCY	49.30	53.00
tblVehicleEF	MCY	6.4190e-003	8.2100e-003
tblVehicleEF	MCY	1.33	1.40
tblVehicleEF	MCY	0.35	0.36
tblVehicleEF	MCY	1.8800e-003	2.1900e-003
tblVehicleEF	MCY	4.8100e-003	6.3660e-003
tblVehicleEF	MCY	1.7720e-003	2.0800e-003
tblVehicleEF	MCY	4.5640e-003	6.0610e-003
tblVehicleEF	MCY	0.17	0.13
tblVehicleEF	MCY	0.98	0.93
tblVehicleEF	MCY	0.10	0.07
tblVehicleEF	MCY	2.71	3.19
tblVehicleEF	MCY	0.98	1.02

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tblVehicleEF	MCY	3.07	3.41
tblVehicleEF	MCY	2.1320e-003	2.1780e-003
tblVehicleEF	MCY	7.8800e-004	8.3100e-004
tblVehicleEF	MCY	0.17	0.13
tblVehicleEF	MCY	0.98	0.93
tblVehicleEF	MCY	0.10	0.07
tblVehicleEF	MCY	3.23	3.66
tblVehicleEF	MCY	0.98	1.02
tblVehicleEF	MCY	3.34	3.70
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	1.72	2.73
tblVehicleEF	MDV	4.70	7.33
tblVehicleEF	MDV	520.62	573.43
tblVehicleEF	MDV	117.83	125.36
tblVehicleEF	MDV	0.14	0.18
tblVehicleEF	MDV	0.22	0.42
tblVehicleEF	MDV	0.42	0.69
tblVehicleEF	MDV	1.7350e-003	2.2550e-003
tblVehicleEF	MDV	2.6620e-003	3.9730e-003
tblVehicleEF	MDV	1.6020e-003	2.0840e-003
tblVehicleEF	MDV	2.4550e-003	3.6670e-003
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.04	0.08
tblVehicleEF	MDV	0.12	0.11

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tblVehicleEF	MDV	0.38	0.64
tblVehicleEF	MDV	5.2220e-003	5.7690e-003
tblVehicleEF	MDV	1.2630e-003	1.3880e-003
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.20	0.17
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.06	0.11
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	0.42	0.70
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	0.02	0.04
tblVehicleEF	MDV	2.06	3.22
tblVehicleEF	MDV	3.72	5.79
tblVehicleEF	MDV	570.12	628.58
tblVehicleEF	MDV	117.83	125.36
tblVehicleEF	MDV	0.14	0.18
tblVehicleEF	MDV	0.19	0.36
tblVehicleEF	MDV	0.38	0.63
tblVehicleEF	MDV	1.7350e-003	2.2550e-003
tblVehicleEF	MDV	2.6620e-003	3.9730e-003
tblVehicleEF	MDV	1.6020e-003	2.0840e-003
tblVehicleEF	MDV	2.4550e-003	3.6670e-003
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.25	0.23
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.05	0.08
tblVehicleEF	MDV	0.12	0.11

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tblVehicleEF	MDV	0.30	0.50
tblVehicleEF	MDV	5.7220e-003	6.3280e-003
tblVehicleEF	MDV	1.2440e-003	1.3590e-003
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.25	0.23
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.12
tblVehicleEF	MDV	0.12	0.11
tblVehicleEF	MDV	0.33	0.55
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	0.03	0.06
tblVehicleEF	MDV	1.68	2.69
tblVehicleEF	MDV	5.65	8.81
tblVehicleEF	MDV	507.85	559.19
tblVehicleEF	MDV	117.83	125.36
tblVehicleEF	MDV	0.14	0.18
tblVehicleEF	MDV	0.24	0.46
tblVehicleEF	MDV	0.47	0.77
tblVehicleEF	MDV	1.7350e-003	2.2550e-003
tblVehicleEF	MDV	2.6620e-003	3.9730e-003
tblVehicleEF	MDV	1.6020e-003	2.0840e-003
tblVehicleEF	MDV	2.4550e-003	3.6670e-003
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.01	8.3910e-003
tblVehicleEF	MDV	0.04	0.08
tblVehicleEF	MDV	0.14	0.13

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tblVehicleEF	MDV	0.45	0.75
tblVehicleEF	MDV	5.0940e-003	5.6260e-003
tblVehicleEF	MDV	1.2800e-003	1.4140e-003
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.01	8.3910e-003
tblVehicleEF	MDV	0.06	0.11
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.49	0.82
tblVehicleEF	MH	0.05	0.08
tblVehicleEF	MH	0.04	0.07
tblVehicleEF	MH	4.84	11.30
tblVehicleEF	MH	7.96	13.39
tblVehicleEF	MH	1,246.19	1,261.33
tblVehicleEF	MH	62.83	77.96
tblVehicleEF	MH	1.5650e-003	2.5210e-003
tblVehicleEF	MH	2.21	2.66
tblVehicleEF	MH	1.00	1.32
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	1.8060e-003	4.0560e-003
tblVehicleEF	MH	3.2400e-003	3.2140e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.6810e-003	3.8110e-003
tblVehicleEF	MH	1.17	1.46
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.31	0.36

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tblVehicleEF	MH	0.20	0.40
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.51	0.95
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.6900e-004	1.0190e-003
tblVehicleEF	MH	1.17	1.46
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.31	0.36
tblVehicleEF	MH	0.25	0.50
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.55	1.03
tblVehicleEF	MH	0.05	0.09
tblVehicleEF	MH	0.03	0.06
tblVehicleEF	MH	4.87	11.13
tblVehicleEF	MH	6.95	11.90
tblVehicleEF	MH	1,246.19	1,261.33
tblVehicleEF	MH	62.83	77.96
tblVehicleEF	MH	1.5650e-003	2.5210e-003
tblVehicleEF	MH	2.02	2.40
tblVehicleEF	MH	0.92	1.21
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	1.8060e-003	4.0560e-003
tblVehicleEF	MH	3.2400e-003	3.2140e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.6810e-003	3.8110e-003
tblVehicleEF	MH	3.22	4.21

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tblVehicleEF	MH	0.11	0.14
tblVehicleEF	MH	0.92	1.18
tblVehicleEF	MH	0.20	0.39
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.46	0.85
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5100e-004	9.9300e-004
tblVehicleEF	MH	3.22	4.21
tblVehicleEF	MH	0.11	0.14
tblVehicleEF	MH	0.92	1.18
tblVehicleEF	MH	0.26	0.49
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.50	0.93
tblVehicleEF	MH	0.05	0.08
tblVehicleEF	MH	0.04	0.08
tblVehicleEF	MH	4.90	11.81
tblVehicleEF	MH	8.88	14.95
tblVehicleEF	MH	1,246.19	1,261.33
tblVehicleEF	MH	62.83	77.96
tblVehicleEF	MH	1.5650e-003	2.5210e-003
tblVehicleEF	MH	2.29	2.78
tblVehicleEF	MH	1.07	1.42
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	1.8060e-003	4.0560e-003
tblVehicleEF	MH	3.2400e-003	3.2140e-003
tblVehicleEF	MH	0.04	0.04

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tblVehicleEF	MH	1.6810e-003	3.8110e-003
tblVehicleEF	MH	0.25	0.23
tblVehicleEF	MH	0.10	0.14
tblVehicleEF	MH	0.11	0.10
tblVehicleEF	MH	0.20	0.41
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	0.55	1.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.8500e-004	1.0470e-003
tblVehicleEF	MH	0.25	0.23
tblVehicleEF	MH	0.10	0.14
tblVehicleEF	MH	0.11	0.10
tblVehicleEF	MH	0.25	0.51
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	0.60	1.13
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.05
tblVehicleEF	MHD	0.08	0.22
tblVehicleEF	MHD	0.48	0.95
tblVehicleEF	MHD	0.80	3.45
tblVehicleEF	MHD	7.42	19.82
tblVehicleEF	MHD	180.69	146.03
tblVehicleEF	MHD	1,215.42	1,217.92
tblVehicleEF	MHD	45.56	94.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.44	2.17
tblVehicleEF	MHD	3.00	8.34

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tblVehicleEF	MHD	13.69	3.15
tblVehicleEF	MHD	8.2510e-003	0.03
tblVehicleEF	MHD	0.08	0.32
tblVehicleEF	MHD	9.1400e-004	6.4680e-003
tblVehicleEF	MHD	7.8940e-003	0.03
tblVehicleEF	MHD	0.07	0.31
tblVehicleEF	MHD	8.4500e-004	6.1160e-003
tblVehicleEF	MHD	1.0220e-003	3.4340e-003
tblVehicleEF	MHD	0.05	0.20
tblVehicleEF	MHD	0.04	0.11
tblVehicleEF	MHD	4.1600e-004	1.2650e-003
tblVehicleEF	MHD	0.19	0.69
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.44	1.60
tblVehicleEF	MHD	1.7330e-003	1.4060e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.8600e-004	1.3020e-003
tblVehicleEF	MHD	1.0220e-003	3.4340e-003
tblVehicleEF	MHD	0.05	0.20
tblVehicleEF	MHD	0.06	0.13
tblVehicleEF	MHD	4.1600e-004	1.2650e-003
tblVehicleEF	MHD	0.22	0.79
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.48	1.74
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.05
tblVehicleEF	MHD	0.08	0.20

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tblVehicleEF	MHD	0.34	0.68
tblVehicleEF	MHD	0.81	3.39
tblVehicleEF	MHD	6.58	18.19
tblVehicleEF	MHD	191.53	154.85
tblVehicleEF	MHD	1,215.42	1,217.92
tblVehicleEF	MHD	45.56	94.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.49	2.24
tblVehicleEF	MHD	2.81	7.80
tblVehicleEF	MHD	13.61	3.00
tblVehicleEF	MHD	6.9550e-003	0.02
tblVehicleEF	MHD	0.08	0.32
tblVehicleEF	MHD	9.1400e-004	6.4680e-003
tblVehicleEF	MHD	6.6540e-003	0.02
tblVehicleEF	MHD	0.07	0.31
tblVehicleEF	MHD	8.4500e-004	6.1160e-003
tblVehicleEF	MHD	2.8660e-003	0.01
tblVehicleEF	MHD	0.06	0.25
tblVehicleEF	MHD	0.04	0.10
tblVehicleEF	MHD	1.2580e-003	4.3620e-003
tblVehicleEF	MHD	0.19	0.68
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.40	1.44
tblVehicleEF	MHD	1.8350e-003	1.4890e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.7100e-004	1.2710e-003
tblVehicleEF	MHD	2.8660e-003	0.01

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tblVehicleEF	MHD	0.06	0.25
tblVehicleEF	MHD	0.05	0.12
tblVehicleEF	MHD	1.2580e-003	4.3620e-003
tblVehicleEF	MHD	0.22	0.79
tblVehicleEF	MHD	0.02	0.09
tblVehicleEF	MHD	0.44	1.57
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.05
tblVehicleEF	MHD	0.09	0.24
tblVehicleEF	MHD	0.65	1.29
tblVehicleEF	MHD	0.80	3.53
tblVehicleEF	MHD	8.16	21.77
tblVehicleEF	MHD	166.00	134.23
tblVehicleEF	MHD	1,215.42	1,217.92
tblVehicleEF	MHD	45.56	94.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.38	2.08
tblVehicleEF	MHD	3.05	8.50
tblVehicleEF	MHD	13.76	3.28
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.08	0.32
tblVehicleEF	MHD	9.1400e-004	6.4680e-003
tblVehicleEF	MHD	9.6050e-003	0.03
tblVehicleEF	MHD	0.07	0.31
tblVehicleEF	MHD	8.4500e-004	6.1160e-003
tblVehicleEF	MHD	2.0700e-004	4.8800e-004
tblVehicleEF	MHD	0.05	0.24

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tblVehicleEF	MHD	0.05	0.11
tblVehicleEF	MHD	1.1200e-004	2.4400e-004
tblVehicleEF	MHD	0.19	0.69
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.47	1.76
tblVehicleEF	MHD	1.5940e-003	1.2950e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.9800e-004	1.3380e-003
tblVehicleEF	MHD	2.0700e-004	4.8800e-004
tblVehicleEF	MHD	0.05	0.24
tblVehicleEF	MHD	0.06	0.14
tblVehicleEF	MHD	1.1200e-004	2.4400e-004
tblVehicleEF	MHD	0.22	0.79
tblVehicleEF	MHD	0.02	0.10
tblVehicleEF	MHD	0.51	1.92
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.28	0.57
tblVehicleEF	OBUS	1.62	3.67
tblVehicleEF	OBUS	8.52	11.77
tblVehicleEF	OBUS	79.53	70.92
tblVehicleEF	OBUS	1,359.72	1,353.54
tblVehicleEF	OBUS	72.73	77.03
tblVehicleEF	OBUS	1.5180e-003	1.8670e-003
tblVehicleEF	OBUS	0.49	0.80
tblVehicleEF	OBUS	2.23	4.69

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tblVehicleEF	OBUS	2.23	1.90
tblVehicleEF	OBUS	2.9600e-004	0.01
tblVehicleEF	OBUS	9.7340e-003	0.15
tblVehicleEF	OBUS	7.5500e-004	1.3620e-003
tblVehicleEF	OBUS	2.8300e-004	0.01
tblVehicleEF	OBUS	9.2910e-003	0.14
tblVehicleEF	OBUS	6.9500e-004	1.2720e-003
tblVehicleEF	OBUS	1.5560e-003	1.5760e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	5.2700e-004	4.5300e-004
tblVehicleEF	OBUS	0.11	0.46
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	0.51	0.73
tblVehicleEF	OBUS	7.7200e-004	6.9000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.7700e-004	9.7800e-004
tblVehicleEF	OBUS	1.5560e-003	1.5760e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	5.2700e-004	4.5300e-004
tblVehicleEF	OBUS	0.15	0.55
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	0.56	0.80
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.04	0.05

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tblVehicleEF	OBUS	0.27	0.49
tblVehicleEF	OBUS	1.67	3.76
tblVehicleEF	OBUS	7.44	10.44
tblVehicleEF	OBUS	83.20	74.07
tblVehicleEF	OBUS	1,359.72	1,353.54
tblVehicleEF	OBUS	72.73	77.03
tblVehicleEF	OBUS	1.5180e-003	1.8670e-003
tblVehicleEF	OBUS	0.51	0.83
tblVehicleEF	OBUS	2.08	4.38
tblVehicleEF	OBUS	2.12	1.76
tblVehicleEF	OBUS	2.5000e-004	0.01
tblVehicleEF	OBUS	9.7340e-003	0.15
tblVehicleEF	OBUS	7.5500e-004	1.3620e-003
tblVehicleEF	OBUS	2.3900e-004	0.01
tblVehicleEF	OBUS	9.2910e-003	0.14
tblVehicleEF	OBUS	6.9500e-004	1.2720e-003
tblVehicleEF	OBUS	4.0900e-003	4.5600e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	1.4140e-003	1.4720e-003
tblVehicleEF	OBUS	0.12	0.46
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	0.47	0.67
tblVehicleEF	OBUS	8.0700e-004	7.2000e-004
tblVehicleEF	OBUS	8.5800e-004	9.5500e-004
tblVehicleEF	OBUS	4.0900e-003	4.5600e-003
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.05	0.12
tblVehicleEF	OBUS	1.4140e-003	1.4720e-003
tblVehicleEF	OBUS	0.15	0.56
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	0.51	0.74
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.30	0.70
tblVehicleEF	OBUS	1.57	3.61
tblVehicleEF	OBUS	9.40	12.99
tblVehicleEF	OBUS	74.46	66.58
tblVehicleEF	OBUS	1,359.72	1,353.54
tblVehicleEF	OBUS	72.73	77.03
tblVehicleEF	OBUS	1.5180e-003	1.8670e-003
tblVehicleEF	OBUS	0.47	0.77
tblVehicleEF	OBUS	2.29	4.81
tblVehicleEF	OBUS	2.33	2.03
tblVehicleEF	OBUS	3.6000e-004	0.02
tblVehicleEF	OBUS	9.7340e-003	0.15
tblVehicleEF	OBUS	7.5500e-004	1.3620e-003
tblVehicleEF	OBUS	3.4500e-004	0.01
tblVehicleEF	OBUS	9.2910e-003	0.14
tblVehicleEF	OBUS	6.9500e-004	1.2720e-003
tblVehicleEF	OBUS	4.0800e-004	2.7500e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.11

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tblVehicleEF	OBUS	1.9600e-004	1.2500e-004
tblVehicleEF	OBUS	0.11	0.45
tblVehicleEF	OBUS	0.07	0.06
tblVehicleEF	OBUS	0.55	0.79
tblVehicleEF	OBUS	7.2300e-004	6.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.9200e-004	9.9900e-004
tblVehicleEF	OBUS	4.0800e-004	2.7500e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.13
tblVehicleEF	OBUS	1.9600e-004	1.2500e-004
tblVehicleEF	OBUS	0.15	0.55
tblVehicleEF	OBUS	0.07	0.06
tblVehicleEF	OBUS	0.60	0.86
tblVehicleEF	SBUS	0.87	0.91
tblVehicleEF	SBUS	0.03	0.12
tblVehicleEF	SBUS	0.13	0.36
tblVehicleEF	SBUS	6.00	11.56
tblVehicleEF	SBUS	1.59	11.68
tblVehicleEF	SBUS	11.74	25.03
tblVehicleEF	SBUS	1,264.42	1,197.50
tblVehicleEF	SBUS	1,152.53	1,139.99
tblVehicleEF	SBUS	38.57	44.77
tblVehicleEF	SBUS	8.0400e-004	7.3700e-004
tblVehicleEF	SBUS	13.81	16.21
tblVehicleEF	SBUS	6.42	9.52
tblVehicleEF	SBUS	15.24	3.13

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tblVehicleEF	SBUS	0.02	0.31
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.41
tblVehicleEF	SBUS	7.6700e-004	4.0690e-003
tblVehicleEF	SBUS	0.02	0.29
tblVehicleEF	SBUS	2.7600e-003	2.7390e-003
tblVehicleEF	SBUS	0.03	0.39
tblVehicleEF	SBUS	7.0500e-004	3.8130e-003
tblVehicleEF	SBUS	4.7030e-003	0.02
tblVehicleEF	SBUS	0.04	0.12
tblVehicleEF	SBUS	0.72	1.60
tblVehicleEF	SBUS	1.2700e-003	3.5940e-003
tblVehicleEF	SBUS	0.16	1.21
tblVehicleEF	SBUS	0.03	0.08
tblVehicleEF	SBUS	0.53	1.55
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	5.8700e-004	8.9100e-004
tblVehicleEF	SBUS	4.7030e-003	0.02
tblVehicleEF	SBUS	0.04	0.12
tblVehicleEF	SBUS	1.03	2.01
tblVehicleEF	SBUS	1.2700e-003	3.5940e-003
tblVehicleEF	SBUS	0.20	1.42
tblVehicleEF	SBUS	0.03	0.08
tblVehicleEF	SBUS	0.58	1.69
tblVehicleEF	SBUS	0.87	0.90
tblVehicleEF	SBUS	0.03	0.12

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tblVehicleEF	SBUS	0.10	0.26
tblVehicleEF	SBUS	5.82	9.92
tblVehicleEF	SBUS	1.64	11.06
tblVehicleEF	SBUS	7.51	16.28
tblVehicleEF	SBUS	1,328.24	1,256.61
tblVehicleEF	SBUS	1,152.53	1,139.99
tblVehicleEF	SBUS	38.57	44.77
tblVehicleEF	SBUS	8.0400e-004	7.3700e-004
tblVehicleEF	SBUS	14.26	16.73
tblVehicleEF	SBUS	5.97	8.83
tblVehicleEF	SBUS	15.17	3.02
tblVehicleEF	SBUS	0.02	0.26
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.41
tblVehicleEF	SBUS	7.6700e-004	4.0690e-003
tblVehicleEF	SBUS	0.01	0.25
tblVehicleEF	SBUS	2.7600e-003	2.7390e-003
tblVehicleEF	SBUS	0.03	0.39
tblVehicleEF	SBUS	7.0500e-004	3.8130e-003
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.72	1.55
tblVehicleEF	SBUS	3.8270e-003	0.01
tblVehicleEF	SBUS	0.17	1.18
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.42	1.14
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	5.1700e-004	7.4000e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	1.03	1.95
tblVehicleEF	SBUS	3.8270e-003	0.01
tblVehicleEF	SBUS	0.21	1.40
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.46	1.24
tblVehicleEF	SBUS	0.87	0.92
tblVehicleEF	SBUS	0.03	0.12
tblVehicleEF	SBUS	0.15	0.43
tblVehicleEF	SBUS	6.24	13.83
tblVehicleEF	SBUS	1.54	12.30
tblVehicleEF	SBUS	15.16	32.46
tblVehicleEF	SBUS	1,176.29	1,115.87
tblVehicleEF	SBUS	1,152.53	1,139.99
tblVehicleEF	SBUS	38.57	44.77
tblVehicleEF	SBUS	8.0400e-004	7.3700e-004
tblVehicleEF	SBUS	13.20	15.49
tblVehicleEF	SBUS	6.55	9.73
tblVehicleEF	SBUS	15.30	3.22
tblVehicleEF	SBUS	0.02	0.37
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.41
tblVehicleEF	SBUS	7.6700e-004	4.0690e-003
tblVehicleEF	SBUS	0.02	0.36

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tblVehicleEF	SBUS	2.7600e-003	2.7390e-003
tblVehicleEF	SBUS	0.03	0.39
tblVehicleEF	SBUS	7.0500e-004	3.8130e-003
tblVehicleEF	SBUS	1.0160e-003	2.2370e-003
tblVehicleEF	SBUS	0.04	0.15
tblVehicleEF	SBUS	0.73	1.68
tblVehicleEF	SBUS	4.5700e-004	9.4500e-004
tblVehicleEF	SBUS	0.16	1.23
tblVehicleEF	SBUS	0.03	0.10
tblVehicleEF	SBUS	0.62	1.86
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.4300e-004	1.0180e-003
tblVehicleEF	SBUS	1.0160e-003	2.2370e-003
tblVehicleEF	SBUS	0.04	0.15
tblVehicleEF	SBUS	1.04	2.10
tblVehicleEF	SBUS	4.5700e-004	9.4500e-004
tblVehicleEF	SBUS	0.20	1.44
tblVehicleEF	SBUS	0.03	0.10
tblVehicleEF	SBUS	0.68	2.03
tblVehicleEF	UBUS	1.22	1.90
tblVehicleEF	UBUS	0.06	0.06
tblVehicleEF	UBUS	6.87	11.75
tblVehicleEF	UBUS	11.07	14.17
tblVehicleEF	UBUS	2,057.90	2,212.83
tblVehicleEF	UBUS	118.02	75.54
tblVehicleEF	UBUS	1.2850e-003	1.4070e-003

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tblVehicleEF	UBUS	8.86	16.70
tblVehicleEF	UBUS	14.28	3.74
tblVehicleEF	UBUS	0.57	0.67
tblVehicleEF	UBUS	0.14	0.29
tblVehicleEF	UBUS	8.0200e-004	6.9900e-004
tblVehicleEF	UBUS	0.25	0.29
tblVehicleEF	UBUS	0.14	0.27
tblVehicleEF	UBUS	7.3900e-004	6.4700e-004
tblVehicleEF	UBUS	3.1820e-003	3.5420e-003
tblVehicleEF	UBUS	0.05	0.06
tblVehicleEF	UBUS	1.4040e-003	1.4100e-003
tblVehicleEF	UBUS	0.69	1.27
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.79	0.86
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3780e-003	1.0050e-003
tblVehicleEF	UBUS	3.1820e-003	3.5420e-003
tblVehicleEF	UBUS	0.05	0.06
tblVehicleEF	UBUS	1.4040e-003	1.4100e-003
tblVehicleEF	UBUS	1.98	3.30
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.87	0.94
tblVehicleEF	UBUS	1.22	1.91
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.90	11.78
tblVehicleEF	UBUS	8.23	10.55
tblVehicleEF	UBUS	2,057.90	2,212.83

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tblVehicleEF	UBUS	118.02	75.54
tblVehicleEF	UBUS	1.2850e-003	1.4070e-003
tblVehicleEF	UBUS	8.31	15.68
tblVehicleEF	UBUS	14.16	3.62
tblVehicleEF	UBUS	0.57	0.67
tblVehicleEF	UBUS	0.14	0.29
tblVehicleEF	UBUS	8.0200e-004	6.9900e-004
tblVehicleEF	UBUS	0.25	0.29
tblVehicleEF	UBUS	0.14	0.27
tblVehicleEF	UBUS	7.3900e-004	6.4700e-004
tblVehicleEF	UBUS	8.5740e-003	9.9990e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	4.1240e-003	4.8090e-003
tblVehicleEF	UBUS	0.69	1.28
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.67	0.72
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.3290e-003	9.4300e-004
tblVehicleEF	UBUS	8.5740e-003	9.9990e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	4.1240e-003	4.8090e-003
tblVehicleEF	UBUS	1.99	3.31
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.79
tblVehicleEF	UBUS	1.22	1.90
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	6.85	11.73

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tblVehicleEF	UBUS	13.51	17.32
tblVehicleEF	UBUS	2,057.90	2,212.83
tblVehicleEF	UBUS	118.02	75.54
tblVehicleEF	UBUS	1.2850e-003	1.4070e-003
tblVehicleEF	UBUS	9.01	16.99
tblVehicleEF	UBUS	14.37	3.85
tblVehicleEF	UBUS	0.57	0.67
tblVehicleEF	UBUS	0.14	0.29
tblVehicleEF	UBUS	8.0200e-004	6.9900e-004
tblVehicleEF	UBUS	0.25	0.29
tblVehicleEF	UBUS	0.14	0.27
tblVehicleEF	UBUS	7.3900e-004	6.4700e-004
tblVehicleEF	UBUS	7.9700e-004	6.8300e-004
tblVehicleEF	UBUS	0.05	0.07
tblVehicleEF	UBUS	5.2200e-004	4.0600e-004
tblVehicleEF	UBUS	0.68	1.26
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.90	0.98
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.4200e-003	1.0580e-003
tblVehicleEF	UBUS	7.9700e-004	6.8300e-004
tblVehicleEF	UBUS	0.05	0.07
tblVehicleEF	UBUS	5.2200e-004	4.0600e-004
tblVehicleEF	UBUS	1.97	3.29
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.98	1.07

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2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2008	0.3004	2.0595	1.0325	0.0142	0.1702	0.1265	0.2966	0.0872	0.1263	0.2135	0.0000	138.5006	138.5006	0.0252	0.0000	139.1292
2009	1.6154	6.7030	4.9188	0.0494	0.1355	0.4489	0.5843	0.0368	0.4467	0.4835	0.0000	552.0716	552.0716	0.1058	0.0000	554.7176
Maximum	1.6154	6.7030	4.9188	0.0494	0.1702	0.4489	0.5843	0.0872	0.4467	0.4835	0.0000	552.0716	552.0716	0.1058	0.0000	554.7176

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					
2008	0.3004	2.0595	1.0325	0.0142	0.1702	0.1265	0.2966	0.0872	0.1263	0.2135	0.0000	138.5004	138.5004	0.0252	0.0000	139.1291
2009	1.6154	6.7030	4.9188	0.0494	0.1355	0.4489	0.5843	0.0368	0.4467	0.4835	0.0000	552.0713	552.0713	0.1058	0.0000	554.7172
Maximum	1.6154	6.7030	4.9188	0.0494	0.1702	0.4489	0.5843	0.0872	0.4467	0.4835	0.0000	552.0713	552.0713	0.1058	0.0000	554.7172

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-29-2008	12-28-2008	2.2556	2.2556
2	12-29-2008	3-28-2009	2.2444	2.2444
3	3-29-2009	6-28-2009	2.2628	2.2628
4	6-29-2009	9-28-2009	2.2618	2.2618
5	9-29-2009	9-30-2009	0.0492	0.0492
		Highest	2.2628	2.2628

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	0.1853	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004
Energy	0.0135	0.1231	0.1034	7.4000e-004		9.3600e-003	9.3600e-003		9.3600e-003	9.3600e-003	0.0000	438.4889	438.4889	0.0163	5.3100e-003	440.4782
Mobile	6.3429	21.3115	55.4145	0.0639	3.7736	0.5274	4.3010	1.0152	0.5033	1.5185	0.0000	5,806.2563	5,806.2563	0.7539	0.0000	5,825.1033
Waste						0.0000	0.0000		0.0000	0.0000	55.1486	0.0000	55.1486	3.2592	0.0000	136.6283
Water						0.0000	0.0000		0.0000	0.0000	2.2678	12.3630	14.6307	0.2335	5.6200e-003	22.1411
Total	6.5417	21.4346	55.5183	0.0647	3.7736	0.5368	4.3104	1.0152	0.5126	1.5278	57.4163	6,257.1088	6,314.5251	4.2629	0.0109	6,424.3516

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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	0.1853	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004
Energy	0.0135	0.1231	0.1034	7.4000e-004		9.3600e-003	9.3600e-003		9.3600e-003	9.3600e-003	0.0000	438.4889	438.4889	0.0163	5.3100e-003	440.4782
Mobile	6.3429	21.3115	55.4145	0.0639	3.7736	0.5274	4.3010	1.0152	0.5033	1.5185	0.0000	5,806.2563	5,806.2563	0.7539	0.0000	5,825.1033
Waste						0.0000	0.0000		0.0000	0.0000	55.1486	0.0000	55.1486	3.2592	0.0000	136.6283
Water						0.0000	0.0000		0.0000	0.0000	2.2678	12.3630	14.6307	0.2335	5.6200e-003	22.1411
Total	6.5417	21.4346	55.5183	0.0647	3.7736	0.5368	4.3104	1.0152	0.5126	1.5278	57.4163	6,257.1088	6,314.5251	4.2629	0.0109	6,424.3516

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/29/2008	10/24/2008	5	20	
2	Site Preparation	Site Preparation	10/25/2008	11/7/2008	5	10	
3	Grading	Grading	11/8/2008	12/5/2008	5	20	
4	Building Construction	Building Construction	12/6/2008	10/23/2009	5	230	
5	Paving	Paving	10/24/2009	11/20/2009	5	20	
6	Architectural Coating	Architectural Coating	11/21/2009	12/18/2009	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 5.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 48,884; Non-Residential Outdoor: 16,295; Striped Parking Area: 15,420 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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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	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	120.00	47.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	24.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2008

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	0.0846	0.6644	0.2561	4.4200e-003		0.0373	0.0373		0.0373	0.0373	0.0000	39.7218	39.7218	6.8900e-003	0.0000	39.8942
Total	0.0846	0.6644	0.2561	4.4200e-003		0.0373	0.0373		0.0373	0.0373	0.0000	39.7218	39.7218	6.8900e-003	0.0000	39.8942

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3.2 Demolition - 2008

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	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479
Total	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0846	0.6644	0.2561	4.4200e-003		0.0373	0.0373		0.0373	0.0373	0.0000	39.7218	39.7218	6.8900e-003	0.0000	39.8942
Total	0.0846	0.6644	0.2561	4.4200e-003		0.0373	0.0373		0.0373	0.0373	0.0000	39.7218	39.7218	6.8900e-003	0.0000	39.8942

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3.2 Demolition - 2008

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	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479
Total	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479

3.3 Site Preparation - 2008

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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0467	0.3496	0.1316	2.2500e-003		0.0216	0.0216		0.0216	0.0216	0.0000	20.0023	20.0023	3.8000e-003	0.0000	20.0974
Total	0.0467	0.3496	0.1316	2.2500e-003	0.0903	0.0216	0.1119	0.0497	0.0216	0.0712	0.0000	20.0023	20.0023	3.8000e-003	0.0000	20.0974

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3.3 Site Preparation - 2008

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	1.2200e-003	1.2100e-003	0.0116	1.0000e-005	7.1000e-004	2.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.7467	0.7467	8.0000e-005	0.0000	0.7488
Total	1.2200e-003	1.2100e-003	0.0116	1.0000e-005	7.1000e-004	2.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.7467	0.7467	8.0000e-005	0.0000	0.7488

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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0467	0.3496	0.1316	2.2500e-003		0.0216	0.0216		0.0216	0.0216	0.0000	20.0023	20.0023	3.8000e-003	0.0000	20.0974
Total	0.0467	0.3496	0.1316	2.2500e-003	0.0903	0.0216	0.1119	0.0497	0.0216	0.0712	0.0000	20.0023	20.0023	3.8000e-003	0.0000	20.0974

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3.3 Site Preparation - 2008

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	1.2200e-003	1.2100e-003	0.0116	1.0000e-005	7.1000e-004	2.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.7467	0.7467	8.0000e-005	0.0000	0.7488
Total	1.2200e-003	1.2100e-003	0.0116	1.0000e-005	7.1000e-004	2.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.7467	0.7467	8.0000e-005	0.0000	0.7488

3.4 Grading - 2008

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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0685	0.5106	0.1981	3.5100e-003		0.0320	0.0320		0.0320	0.0320	0.0000	31.2046	31.2046	5.5800e-003	0.0000	31.3441
Total	0.0685	0.5106	0.1981	3.5100e-003	0.0655	0.0320	0.0975	0.0337	0.0320	0.0656	0.0000	31.2046	31.2046	5.5800e-003	0.0000	31.3441

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3.4 Grading - 2008

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	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479
Total	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479

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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0685	0.5106	0.1981	3.5100e-003		0.0320	0.0320		0.0320	0.0320	0.0000	31.2046	31.2046	5.5800e-003	0.0000	31.3441
Total	0.0685	0.5106	0.1981	3.5100e-003	0.0655	0.0320	0.0975	0.0337	0.0320	0.0656	0.0000	31.2046	31.2046	5.5800e-003	0.0000	31.3441

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3.4 Grading - 2008

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	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479
Total	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479

3.5 Building Construction - 2008

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	0.0676	0.3730	0.1835	2.7400e-003		0.0313	0.0313		0.0313	0.0313	0.0000	23.6575	23.6575	5.5200e-003	0.0000	23.7955
Total	0.0676	0.3730	0.1835	2.7400e-003		0.0313	0.0313		0.0313	0.0313	0.0000	23.6575	23.6575	5.5200e-003	0.0000	23.7955

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3.5 Building Construction - 2008

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	0.0132	0.1421	0.0734	1.1000e-003	2.7600e-003	4.0400e-003	6.8000e-003	8.0000e-004	3.8700e-003	4.6600e-003	0.0000	11.7190	11.7190	1.9700e-003	0.0000	11.7682
Worker	0.0146	0.0145	0.1395	1.0000e-004	8.4800e-003	1.8000e-004	8.6600e-003	2.2600e-003	1.7000e-004	2.4300e-003	0.0000	8.9598	8.9598	1.0100e-003	0.0000	8.9852
Total	0.0278	0.1567	0.2128	1.2000e-003	0.0112	4.2200e-003	0.0155	3.0600e-003	4.0400e-003	7.0900e-003	0.0000	20.6788	20.6788	2.9800e-003	0.0000	20.7534

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	0.0676	0.3730	0.1835	2.7400e-003		0.0313	0.0313		0.0313	0.0313	0.0000	23.6575	23.6575	5.5200e-003	0.0000	23.7955
Total	0.0676	0.3730	0.1835	2.7400e-003		0.0313	0.0313		0.0313	0.0313	0.0000	23.6575	23.6575	5.5200e-003	0.0000	23.7955

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3.5 Building Construction - 2008

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	0.0132	0.1421	0.0734	1.1000e-003	2.7600e-003	4.0400e-003	6.8000e-003	8.0000e-004	3.8700e-003	4.6600e-003	0.0000	11.7190	11.7190	1.9700e-003	0.0000	11.7682
Worker	0.0146	0.0145	0.1395	1.0000e-004	8.4800e-003	1.8000e-004	8.6600e-003	2.2600e-003	1.7000e-004	2.4300e-003	0.0000	8.9598	8.9598	1.0100e-003	0.0000	8.9852
Total	0.0278	0.1567	0.2128	1.2000e-003	0.0112	4.2200e-003	0.0155	3.0600e-003	4.0400e-003	7.0900e-003	0.0000	20.6788	20.6788	2.9800e-003	0.0000	20.7534

3.5 Building Construction - 2009

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	0.7967	4.3932	2.1612	0.0322		0.3688	0.3688		0.3688	0.3688	0.0000	278.6327	278.6327	0.0650	0.0000	280.2582
Total	0.7967	4.3932	2.1612	0.0322		0.3688	0.3688		0.3688	0.3688	0.0000	278.6327	278.6327	0.0650	0.0000	280.2582

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3.5 Building Construction - 2009

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	0.1551	1.6741	0.8641	0.0129	0.0325	0.0476	0.0801	9.4100e-003	0.0455	0.0549	0.0000	138.0238	138.0238	0.0232	0.0000	138.6030
Worker	0.1720	0.1711	1.6424	1.2000e-003	0.0999	2.1600e-003	0.1021	0.0266	2.0000e-003	0.0286	0.0000	105.5270	105.5270	0.0119	0.0000	105.8255
Total	0.3270	1.8452	2.5066	0.0141	0.1324	0.0497	0.1821	0.0360	0.0475	0.0835	0.0000	243.5507	243.5507	0.0351	0.0000	244.4285

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	0.7967	4.3932	2.1611	0.0322		0.3688	0.3688		0.3688	0.3688	0.0000	278.6324	278.6324	0.0650	0.0000	280.2578
Total	0.7967	4.3932	2.1611	0.0322		0.3688	0.3688		0.3688	0.3688	0.0000	278.6324	278.6324	0.0650	0.0000	280.2578

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3.5 Building Construction - 2009

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	0.1551	1.6741	0.8641	0.0129	0.0325	0.0476	0.0801	9.4100e-003	0.0455	0.0549	0.0000	138.0238	138.0238	0.0232	0.0000	138.6030
Worker	0.1720	0.1711	1.6424	1.2000e-003	0.0999	2.1600e-003	0.1021	0.0266	2.0000e-003	0.0286	0.0000	105.5270	105.5270	0.0119	0.0000	105.8255
Total	0.3270	1.8452	2.5066	0.0141	0.1324	0.0497	0.1821	0.0360	0.0475	0.0835	0.0000	243.5507	243.5507	0.0351	0.0000	244.4285

3.6 Paving - 2009

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	0.0579	0.4167	0.1800	2.7000e-003		0.0264	0.0264		0.0264	0.0264	0.0000	24.0995	24.0995	4.7200e-003	0.0000	24.2176
Paving	7.7300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0656	0.4167	0.1800	2.7000e-003		0.0264	0.0264		0.0264	0.0264	0.0000	24.0995	24.0995	4.7200e-003	0.0000	24.2176

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3.6 Paving - 2009

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	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479
Total	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479

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	0.0579	0.4167	0.1800	2.7000e-003		0.0264	0.0264		0.0264	0.0264	0.0000	24.0995	24.0995	4.7200e-003	0.0000	24.2175
Paving	7.7300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0656	0.4167	0.1800	2.7000e-003		0.0264	0.0264		0.0264	0.0264	0.0000	24.0995	24.0995	4.7200e-003	0.0000	24.2175

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3.6 Paving - 2009

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	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479
Total	2.0300e-003	2.0200e-003	0.0194	1.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.1000e-004	2.0000e-005	3.4000e-004	0.0000	1.2444	1.2444	1.4000e-004	0.0000	1.2479

3.7 Architectural Coating - 2009

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	0.4134					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0428	0.0208	3.0000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	2.5533	2.5533	6.2000e-004	0.0000	2.5686
Total	0.4209	0.0428	0.0208	3.0000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	2.5533	2.5533	6.2000e-004	0.0000	2.5686

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3.7 Architectural Coating - 2009

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	3.2400e-003	3.2300e-003	0.0310	2.0000e-005	1.8800e-003	4.0000e-005	1.9300e-003	5.0000e-004	4.0000e-005	5.4000e-004	0.0000	1.9911	1.9911	2.3000e-004	0.0000	1.9967
Total	3.2400e-003	3.2300e-003	0.0310	2.0000e-005	1.8800e-003	4.0000e-005	1.9300e-003	5.0000e-004	4.0000e-005	5.4000e-004	0.0000	1.9911	1.9911	2.3000e-004	0.0000	1.9967

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	0.4134					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0428	0.0208	3.0000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	2.5533	2.5533	6.2000e-004	0.0000	2.5686
Total	0.4209	0.0428	0.0208	3.0000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	2.5533	2.5533	6.2000e-004	0.0000	2.5686

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3.7 Architectural Coating - 2009

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	3.2400e-003	3.2300e-003	0.0310	2.0000e-005	1.8800e-003	4.0000e-005	1.9300e-003	5.0000e-004	4.0000e-005	5.4000e-004	0.0000	1.9911	1.9911	2.3000e-004	0.0000	1.9967
Total	3.2400e-003	3.2300e-003	0.0310	2.0000e-005	1.8800e-003	4.0000e-005	1.9300e-003	5.0000e-004	4.0000e-005	5.4000e-004	0.0000	1.9911	1.9911	2.3000e-004	0.0000	1.9967

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.3429	21.3115	55.4145	0.0639	3.7736	0.5274	4.3010	1.0152	0.5033	1.5185	0.0000	5,806.2563	5,806.2563	0.7539	0.0000	5,825.1033
Unmitigated	6.3429	21.3115	55.4145	0.0639	3.7736	0.5274	4.3010	1.0152	0.5033	1.5185	0.0000	5,806.2563	5,806.2563	0.7539	0.0000	5,825.1033

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	242.51	242.51	121.46	224,361	224,361
Fast Food Restaurant w/o Drive Thru	2,577.60	2,505.60	1800.00	3,960,836	3,960,836
Fast Food Restaurant with Drive Thru	4,762.75	6,931.49	5210.11	4,799,142	4,799,142
High Turnover (Sit Down Restaurant)	831.56	1,035.74	862.23	1,003,758	1,003,758
Parking Lot	0.00	0.00	0.00		
Strip Mall	116.56	110.57	53.73	164,366	164,366
Total	8,530.99	10,825.91	8,047.54	10,152,463	10,152,463

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
Fast Food Restaurant w/o Drive Thru	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
Fast Food Restaurant with Drive Thru	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
High Turnover (Sit Down Restaurant)	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
Automobile Care Center	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565
Strip Mall	0.476697	0.043889	0.220176	0.142419	0.030478	0.007289	0.024295	0.043166	0.001518	0.001285	0.006419	0.000804	0.001565

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	304.4865	304.4865	0.0138	2.8500e-003	305.6795
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	304.4865	304.4865	0.0138	2.8500e-003	305.6795
NaturalGas Mitigated	0.0135	0.1231	0.1034	7.4000e-004		9.3600e-003	9.3600e-003		9.3600e-003	9.3600e-003	0.0000	134.0024	134.0024	2.5700e-003	2.4600e-003	134.7987
NaturalGas Unmitigated	0.0135	0.1231	0.1034	7.4000e-004		9.3600e-003	9.3600e-003		9.3600e-003	9.3600e-003	0.0000	134.0024	134.0024	2.5700e-003	2.4600e-003	134.7987

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

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					
Automobile Care Center	223701	1.2100e-003	0.0110	9.2100e-003	7.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	11.9375	11.9375	2.3000e-004	2.2000e-004	12.0085
Fast Food Restaurant w/o Drive Thru	410220	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.8909	21.8909	4.2000e-004	4.0000e-004	22.0210
Fast Food Restaurant with Drive Thru	1.09335e+006	5.9000e-003	0.0536	0.0450	3.2000e-004		4.0700e-003	4.0700e-003		4.0700e-003	4.0700e-003	0.0000	58.3453	58.3453	1.1200e-003	1.0700e-003	58.6921
High Turnover (Sit Down Restaurant)	745803	4.0200e-003	0.0366	0.0307	2.2000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003	0.0000	39.7989	39.7989	7.6000e-004	7.3000e-004	40.0354
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	38036.3	2.1000e-004	1.8600e-003	1.5700e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.0298	2.0298	4.0000e-005	4.0000e-005	2.0418
Total		0.0136	0.1231	0.1034	7.4000e-004		9.3500e-003	9.3500e-003		9.3500e-003	9.3500e-003	0.0000	134.0024	134.0024	2.5700e-003	2.4600e-003	134.7987

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

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					
Automobile Care Center	223701	1.2100e-003	0.0110	9.2100e-003	7.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	11.9375	11.9375	2.3000e-004	2.2000e-004	12.0085
Fast Food Restaurant w/o Drive Thru	410220	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.8909	21.8909	4.2000e-004	4.0000e-004	22.0210
Fast Food Restaurant with Drive Thru	1.09335e+006	5.9000e-003	0.0536	0.0450	3.2000e-004		4.0700e-003	4.0700e-003		4.0700e-003	4.0700e-003	0.0000	58.3453	58.3453	1.1200e-003	1.0700e-003	58.6921
High Turnover (Sit Down Restaurant)	745803	4.0200e-003	0.0366	0.0307	2.2000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003	0.0000	39.7989	39.7989	7.6000e-004	7.3000e-004	40.0354
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	38036.3	2.1000e-004	1.8600e-003	1.5700e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.0298	2.0298	4.0000e-005	4.0000e-005	2.0418
Total		0.0136	0.1231	0.1034	7.4000e-004		9.3500e-003	9.3500e-003		9.3500e-003	9.3500e-003	0.0000	134.0024	134.0024	2.5700e-003	2.4600e-003	134.7987

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	98457.1	28.6423	1.3000e-003	2.7000e-004	28.7545
Fast Food Restaurant w/o Drive Thru	124920	36.3407	1.6400e-003	3.4000e-004	36.4831
Fast Food Restaurant with Drive Thru	332947	96.8580	4.3800e-003	9.1000e-004	97.2375
High Turnover (Sit Down Restaurant)	227112	66.0693	2.9900e-003	6.2000e-004	66.3282
Parking Lot	226164	65.7936	2.9700e-003	6.2000e-004	66.0514
Strip Mall	37065	10.7826	4.9000e-004	1.0000e-004	10.8249
Total		304.4865	0.0138	2.8600e-003	305.6795

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	98457.1	28.6423	1.3000e-003	2.7000e-004	28.7545
Fast Food Restaurant w/o Drive Thru	124920	36.3407	1.6400e-003	3.4000e-004	36.4831
Fast Food Restaurant with Drive Thru	332947	96.8580	4.3800e-003	9.1000e-004	97.2375
High Turnover (Sit Down Restaurant)	227112	66.0693	2.9900e-003	6.2000e-004	66.3282
Parking Lot	226164	65.7936	2.9700e-003	6.2000e-004	66.0514
Strip Mall	37065	10.7826	4.9000e-004	1.0000e-004	10.8249
Total		304.4865	0.0138	2.8600e-003	305.6795

6.0 Area Detail

6.1 Mitigation Measures Area

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1853	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004
Unmitigated	0.1853	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0413					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004
Total	0.1853	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

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	0.0413					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004
Total	0.1853	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14.6307	0.2335	5.6200e-003	22.1411
Unmitigated	14.6307	0.2335	5.6200e-003	22.1411

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.961509 / 0.589312	2.4186	0.0314	7.6000e-004	3.4306
Fast Food Restaurant w/o Drive Thru	1.09272 / 0.0697482	2.1378	0.0357	8.6000e-004	3.2855
Fast Food Restaurant with Drive Thru	2.91392 / 0.185995	5.7007	0.0952	2.2900e-003	8.7613
High Turnover (Sit Down Restaurant)	1.98511 / 0.126709	3.8836	0.0648	1.5600e-003	5.9686
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.194811 / 0.1194	0.4900	6.3700e-003	1.5000e-004	0.6951
Total		14.6307	0.2335	5.6200e-003	22.1411

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.961509 / 0.589312	2.4186	0.0314	7.6000e-004	3.4306
Fast Food Restaurant w/o Drive Thru	1.09272 / 0.0697482	2.1378	0.0357	8.6000e-004	3.2855
Fast Food Restaurant with Drive Thru	2.91392 / 0.185995	5.7007	0.0952	2.2900e-003	8.7613
High Turnover (Sit Down Restaurant)	1.98511 / 0.126709	3.8836	0.0648	1.5600e-003	5.9686
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.194811 / 0.1194	0.4900	6.3700e-003	1.5000e-004	0.6951
Total		14.6307	0.2335	5.6200e-003	22.1411

8.0 Waste Detail

8.1 Mitigation Measures Waste

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	55.1486	3.2592	0.0000	136.6283
Unmitigated	55.1486	3.2592	0.0000	136.6283

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	39.04	7.9248	0.4683	0.0000	19.6333
Fast Food Restaurant w/o Drive Thru	41.47	8.4180	0.4975	0.0000	20.8553
Fast Food Restaurant with Drive Thru	110.58	22.4467	1.3266	0.0000	55.6109
High Turnover (Sit Down Restaurant)	77.83	15.7988	0.9337	0.0000	39.1408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.76	0.5603	0.0331	0.0000	1.3880
Total		55.1486	3.2592	0.0000	136.6283

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	39.04	7.9248	0.4683	0.0000	19.6333
Fast Food Restaurant w/o Drive Thru	41.47	8.4180	0.4975	0.0000	20.8553
Fast Food Restaurant with Drive Thru	110.58	22.4467	1.3266	0.0000	55.6109
High Turnover (Sit Down Restaurant)	77.83	15.7988	0.9337	0.0000	39.1408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.76	0.5603	0.0331	0.0000	1.3880
Total		55.1486	3.2592	0.0000	136.6283

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Rocklin Shopping Center - 2010 - Placer County APCD Air District, Annual

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

Equipment Type	Number
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11.0 Vegetation

Rocklin Shopping Center - 2020 - Placer County APCD Air District, Annual

Rocklin Shopping Center - 2020
Placer County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	5.90	Acre	5.90	257,004.00	0
Fast Food Restaurant w/o Drive Thru	3.60	1000sqft	0.08	3,600.00	0
Fast Food Restaurant with Drive Thru	9.60	1000sqft	0.22	9,600.00	0
High Turnover (Sit Down Restaurant)	6.54	1000sqft	0.15	6,545.00	0
Automobile Care Center	10.22	1000sqft	0.23	10,224.00	0
Strip Mall	2.63	1000sqft	0.06	2,625.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	290	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Rocklin Shopping Center - 2020 - Placer County APCD Air District, Annual

Project Characteristics - PG&E Greenhouse Gas Emission Factors: Guidance for PG&E Customers November 2015

Land Use - per 5/11/17 site plan

Construction Phase - Operational run only

Vehicle Trips - trip rates per TIA (10/19/16)

Energy Mitigation - 2016 Cal Building Standards are more energy efficient for non-residential buildings, than 2013 Cal Building Standards built into CalEEMod. Assuming compliance with 2016 Building Standards.

Water Mitigation -

Rocklin Shopping Center - 2020 - Placer County APCD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblLandUse	BuildingSpaceSquareFeet	6,540.00	6,545.00
tblLandUse	BuildingSpaceSquareFeet	2,630.00	2,625.00
tblLandUse	LandUseSquareFeet	6,540.00	6,545.00
tblLandUse	LandUseSquareFeet	2,630.00	2,625.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	23.72	38.95
tblVehicleTrips	ST_TR	696.00	377.22
tblVehicleTrips	ST_TR	722.03	253.05
tblVehicleTrips	ST_TR	158.37	72.42
tblVehicleTrips	ST_TR	42.04	27.43
tblVehicleTrips	SU_TR	11.88	38.95
tblVehicleTrips	SU_TR	500.00	377.22
tblVehicleTrips	SU_TR	542.72	253.05
tblVehicleTrips	SU_TR	131.84	72.42
tblVehicleTrips	SU_TR	20.43	27.43
tblVehicleTrips	WD_TR	23.72	38.95
tblVehicleTrips	WD_TR	716.00	377.22
tblVehicleTrips	WD_TR	496.12	253.05
tblVehicleTrips	WD_TR	127.15	72.42
tblVehicleTrips	WD_TR	44.32	27.43

2.0 Emissions Summary

Rocklin Shopping Center - 2020 - Placer County APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2018	12-31-2018	1.2803	1.2803
2	1-1-2019	3-31-2019	0.9817	0.9817
3	4-1-2019	6-30-2019	0.9878	0.9878
4	7-1-2019	9-30-2019	0.9987	0.9987
		Highest	1.2803	1.2803

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	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Energy	0.0129	0.1170	0.0983	7.0000e-004		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	255.6650	255.6650	0.0153	4.9900e-003	257.5337
Mobile	1.2680	8.0074	10.8941	0.0326	2.0507	0.0359	2.0867	0.5517	0.0339	0.5855	0.0000	2,997.5821	2,997.5821	0.1765	0.0000	3,001.9934
Waste						0.0000	0.0000		0.0000	0.0000	55.0857	0.0000	55.0857	3.2555	0.0000	136.4724
Water						0.0000	0.0000		0.0000	0.0000	2.2654	5.5827	7.8481	0.2332	5.6100e-003	15.3505
Total	1.4434	8.1244	10.9927	0.0333	2.0507	0.0448	2.0956	0.5517	0.0428	0.5944	57.3510	3,258.8305	3,316.1815	3.6804	0.0106	3,411.3507

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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	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Energy	0.0118	0.1069	0.0898	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	240.6672	240.6672	0.0147	4.7100e-003	242.4357
Mobile	1.2680	8.0074	10.8941	0.0326	2.0507	0.0359	2.0867	0.5517	0.0339	0.5855	0.0000	2,997.5821	2,997.5821	0.1765	0.0000	3,001.9934
Waste						0.0000	0.0000		0.0000	0.0000	55.0857	0.0000	55.0857	3.2555	0.0000	136.4724
Water						0.0000	0.0000		0.0000	0.0000	2.2654	5.5827	7.8481	0.2332	5.6100e-003	15.3505
Total	1.4423	8.1143	10.9843	0.0332	2.0507	0.0441	2.0948	0.5517	0.0420	0.5937	57.3510	3,243.8326	3,301.1837	3.6798	0.0103	3,396.2527

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.08	0.12	0.08	0.18	0.00	1.70	0.04	0.00	1.78	0.13	0.00	0.46	0.45	0.02	2.64	0.44

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2018	10/26/2018	5	20	
2	Site Preparation	Site Preparation	10/27/2018	11/9/2018	5	10	
3	Grading	Grading	11/10/2018	12/7/2018	5	20	
4	Building Construction	Building Construction	12/8/2018	10/25/2019	5	230	
5	Paving	Paving	10/26/2019	11/22/2019	5	20	
6	Architectural Coating	Architectural Coating	11/23/2019	12/20/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 5.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 48,765; Non-Residential Outdoor: 16,255; Striped Parking Area: 15,420 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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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	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	120.00	47.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	24.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181	0.0000	35.1241	35.1241	9.6800e-003	0.0000	35.3660
Total	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181	0.0000	35.1241	35.1241	9.6800e-003	0.0000	35.3660

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3.2 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0827	1.0827	3.0000e-005	0.0000	1.0835
Total	6.3000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0827	1.0827	3.0000e-005	0.0000	1.0835

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	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181	0.0000	35.1240	35.1240	9.6800e-003	0.0000	35.3660
Total	0.0372	0.3832	0.2230	3.9000e-004		0.0194	0.0194		0.0181	0.0181	0.0000	35.1240	35.1240	9.6800e-003	0.0000	35.3660

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3.2 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0827	1.0827	3.0000e-005	0.0000	1.0835
Total	6.3000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0827	1.0827	3.0000e-005	0.0000	1.0835

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0903	0.0129	0.1032	0.0497	0.0119	0.0615	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152

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3.3 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.8000e-004	2.9200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6496	0.6496	2.0000e-005	0.0000	0.6501
Total	3.8000e-004	2.8000e-004	2.9200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6496	0.6496	2.0000e-005	0.0000	0.6501

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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0903	0.0129	0.1032	0.0497	0.0119	0.0615	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152

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3.3 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.8000e-004	2.9200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6496	0.6496	2.0000e-005	0.0000	0.6501
Total	3.8000e-004	2.8000e-004	2.9200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6496	0.6496	2.0000e-005	0.0000	0.6501

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0277	0.3067	0.1658	3.0000e-004		0.0155	0.0155		0.0143	0.0143	0.0000	27.1069	27.1069	8.4400e-003	0.0000	27.3178
Total	0.0277	0.3067	0.1658	3.0000e-004	0.0655	0.0155	0.0810	0.0337	0.0143	0.0479	0.0000	27.1069	27.1069	8.4400e-003	0.0000	27.3178

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3.4 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0827	1.0827	3.0000e-005	0.0000	1.0835
Total	6.3000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0827	1.0827	3.0000e-005	0.0000	1.0835

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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0277	0.3067	0.1658	3.0000e-004		0.0155	0.0155		0.0143	0.0143	0.0000	27.1068	27.1068	8.4400e-003	0.0000	27.3178
Total	0.0277	0.3067	0.1658	3.0000e-004	0.0655	0.0155	0.0810	0.0337	0.0143	0.0479	0.0000	27.1068	27.1068	8.4400e-003	0.0000	27.3178

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3.4 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0827	1.0827	3.0000e-005	0.0000	1.0835
Total	6.3000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0827	1.0827	3.0000e-005	0.0000	1.0835

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0214	0.1871	0.1406	2.2000e-004		0.0120	0.0120		0.0113	0.0113	0.0000	19.0214	19.0214	4.6600e-003	0.0000	19.1379
Total	0.0214	0.1871	0.1406	2.2000e-004		0.0120	0.0120		0.0113	0.0113	0.0000	19.0214	19.0214	4.6600e-003	0.0000	19.1379

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3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8900e-003	0.0514	0.0112	1.1000e-004	2.4500e-003	3.6000e-004	2.8200e-003	7.1000e-004	3.5000e-004	1.0600e-003	0.0000	10.5508	10.5508	5.8000e-004	0.0000	10.5653
Worker	4.0100e-003	2.9900e-003	0.0311	8.0000e-005	7.5400e-003	5.0000e-005	7.5900e-003	2.0100e-003	5.0000e-005	2.0500e-003	0.0000	6.9293	6.9293	2.1000e-004	0.0000	6.9345
Total	5.9000e-003	0.0544	0.0424	1.9000e-004	9.9900e-003	4.1000e-004	0.0104	2.7200e-003	4.0000e-004	3.1100e-003	0.0000	17.4801	17.4801	7.9000e-004	0.0000	17.4998

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	0.0214	0.1871	0.1406	2.2000e-004		0.0120	0.0120		0.0113	0.0113	0.0000	19.0214	19.0214	4.6600e-003	0.0000	19.1379
Total	0.0214	0.1871	0.1406	2.2000e-004		0.0120	0.0120		0.0113	0.0113	0.0000	19.0214	19.0214	4.6600e-003	0.0000	19.1379

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3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8900e-003	0.0514	0.0112	1.1000e-004	2.4500e-003	3.6000e-004	2.8200e-003	7.1000e-004	3.5000e-004	1.0600e-003	0.0000	10.5508	10.5508	5.8000e-004	0.0000	10.5653
Worker	4.0100e-003	2.9900e-003	0.0311	8.0000e-005	7.5400e-003	5.0000e-005	7.5900e-003	2.0100e-003	5.0000e-005	2.0500e-003	0.0000	6.9293	6.9293	2.1000e-004	0.0000	6.9345
Total	5.9000e-003	0.0544	0.0424	1.9000e-004	9.9900e-003	4.1000e-004	0.0104	2.7200e-003	4.0000e-004	3.1100e-003	0.0000	17.4801	17.4801	7.9000e-004	0.0000	17.4998

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2526	2.2554	1.8365	2.8800e-003		0.1380	0.1380		0.1298	0.1298	0.0000	251.5615	251.5615	0.0613	0.0000	253.0936
Total	0.2526	2.2554	1.8365	2.8800e-003		0.1380	0.1380		0.1298	0.1298	0.0000	251.5615	251.5615	0.0613	0.0000	253.0936

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3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0223	0.6479	0.1342	1.4700e-003	0.0328	3.9200e-003	0.0368	9.5100e-003	3.7500e-003	0.0133	0.0000	139.9149	139.9149	7.3700e-003	0.0000	140.0992
Worker	0.0486	0.0352	0.3721	1.0000e-003	0.1008	6.8000e-004	0.1015	0.0268	6.3000e-004	0.0275	0.0000	89.9024	89.9024	2.4600e-003	0.0000	89.9639
Total	0.0709	0.6831	0.5063	2.4700e-003	0.1337	4.6000e-003	0.1383	0.0364	4.3800e-003	0.0407	0.0000	229.8173	229.8173	9.8300e-003	0.0000	230.0631

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	0.2526	2.2554	1.8365	2.8800e-003		0.1380	0.1380		0.1298	0.1298	0.0000	251.5612	251.5612	0.0613	0.0000	253.0933
Total	0.2526	2.2554	1.8365	2.8800e-003		0.1380	0.1380		0.1298	0.1298	0.0000	251.5612	251.5612	0.0613	0.0000	253.0933

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3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0223	0.6479	0.1342	1.4700e-003	0.0328	3.9200e-003	0.0368	9.5100e-003	3.7500e-003	0.0133	0.0000	139.9149	139.9149	7.3700e-003	0.0000	140.0992
Worker	0.0486	0.0352	0.3721	1.0000e-003	0.1008	6.8000e-004	0.1015	0.0268	6.3000e-004	0.0275	0.0000	89.9024	89.9024	2.4600e-003	0.0000	89.9639
Total	0.0709	0.6831	0.5063	2.4700e-003	0.1337	4.6000e-003	0.1383	0.0364	4.3800e-003	0.0407	0.0000	229.8173	229.8173	9.8300e-003	0.0000	230.0631

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	7.7300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0223	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

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3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.3500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0503	1.0503	3.0000e-005	0.0000	1.0510
Total	5.7000e-004	4.1000e-004	4.3500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0503	1.0503	3.0000e-005	0.0000	1.0510

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	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	7.7300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0223	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

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3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.1000e-004	4.3500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0503	1.0503	3.0000e-005	0.0000	1.0510
Total	5.7000e-004	4.1000e-004	4.3500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0503	1.0503	3.0000e-005	0.0000	1.0510

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1864					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5587
Total	0.1891	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5587

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3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	9.1000e-004	6.6000e-004	6.9500e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6804	1.6804	5.0000e-005	0.0000	1.6816
Total	9.1000e-004	6.6000e-004	6.9500e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6804	1.6804	5.0000e-005	0.0000	1.6816

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	0.1864					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5586
Total	0.1891	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5586

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3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	9.1000e-004	6.6000e-004	6.9500e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6804	1.6804	5.0000e-005	0.0000	1.6816
Total	9.1000e-004	6.6000e-004	6.9500e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6804	1.6804	5.0000e-005	0.0000	1.6816

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2680	8.0074	10.8941	0.0326	2.0507	0.0359	2.0867	0.5517	0.0339	0.5855	0.0000	2,997.5821	2,997.5821	0.1765	0.0000	3,001.9934
Unmitigated	1.2680	8.0074	10.8941	0.0326	2.0507	0.0359	2.0867	0.5517	0.0339	0.5855	0.0000	2,997.5821	2,997.5821	0.1765	0.0000	3,001.9934

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	398.22	398.22	398.22	396,706	396,706
Fast Food Restaurant w/o Drive Thru	1,357.99	1,357.99	1,357.99	2,189,855	2,189,855
Fast Food Restaurant with Drive Thru	2,429.28	2,429.28	2,429.28	2,269,737	2,269,737
High Turnover (Sit Down Restaurant)	473.63	473.63	473.63	549,532	549,532
Parking Lot	0.00	0.00	0.00		
Strip Mall	72.14	72.14	72.14	111,099	111,099
Total	4,731.26	4,731.26	4,731.26	5,516,930	5,516,930

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.489257	0.041257	0.220156	0.132626	0.025790	0.006586	0.027831	0.045583	0.001467	0.001229	0.006102	0.000783	0.001333
Fast Food Restaurant w/o Drive Thru	0.489257	0.041257	0.220156	0.132626	0.025790	0.006586	0.027831	0.045583	0.001467	0.001229	0.006102	0.000783	0.001333
Fast Food Restaurant with Drive Thru	0.489257	0.041257	0.220156	0.132626	0.025790	0.006586	0.027831	0.045583	0.001467	0.001229	0.006102	0.000783	0.001333
High Turnover (Sit Down Restaurant)	0.489257	0.041257	0.220156	0.132626	0.025790	0.006586	0.027831	0.045583	0.001467	0.001229	0.006102	0.000783	0.001333
Automobile Care Center	0.489257	0.041257	0.220156	0.132626	0.025790	0.006586	0.027831	0.045583	0.001467	0.001229	0.006102	0.000783	0.001333
Strip Mall	0.489257	0.041257	0.220156	0.132626	0.025790	0.006586	0.027831	0.045583	0.001467	0.001229	0.006102	0.000783	0.001333

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	124.2514	124.2514	0.0124	2.5700e-003	125.3281
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	128.2970	128.2970	0.0128	2.6500e-003	129.4088
NaturalGas Mitigated	0.0118	0.1069	0.0898	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	116.4158	116.4158	2.2300e-003	2.1300e-003	117.1076
NaturalGas Unmitigated	0.0129	0.1170	0.0983	7.0000e-004		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	127.3680	127.3680	2.4400e-003	2.3400e-003	128.1249

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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					
Automobile Care Center	191496	1.0300e-003	9.3900e-003	7.8900e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.2189	10.2189	2.0000e-004	1.9000e-004	10.2797
Fast Food Restaurant w/o Drive Thru	394632	2.1300e-003	0.0193	0.0163	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.0591	21.0591	4.0000e-004	3.9000e-004	21.1842
Fast Food Restaurant with Drive Thru	1.05235e+006	5.6700e-003	0.0516	0.0433	3.1000e-004		3.9200e-003	3.9200e-003		3.9200e-003	3.9200e-003	0.0000	56.1575	56.1575	1.0800e-003	1.0300e-003	56.4912
High Turnover (Sit Down Restaurant)	717463	3.8700e-003	0.0352	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2866	38.2866	7.3000e-004	7.0000e-004	38.5141
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	30843.8	1.7000e-004	1.5100e-003	1.2700e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.6459	1.6459	3.0000e-005	3.0000e-005	1.6557
Total		0.0129	0.1170	0.0983	7.1000e-004		8.8800e-003	8.8800e-003		8.8800e-003	8.8800e-003	0.0000	127.3680	127.3680	2.4400e-003	2.3400e-003	128.1249

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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					
Automobile Care Center	153319	8.3000e-004	7.5200e-003	6.3100e-003	5.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1817	8.1817	1.6000e-004	1.5000e-004	8.2303
Fast Food Restaurant w/o Drive Thru	365263	1.9700e-003	0.0179	0.0150	1.1000e-004		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003	0.0000	19.4918	19.4918	3.7000e-004	3.6000e-004	19.6077
Fast Food Restaurant with Drive Thru	974035	5.2500e-003	0.0478	0.0401	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	51.9782	51.9782	1.0000e-003	9.5000e-004	52.2871
High Turnover (Sit Down Restaurant)	664069	3.5800e-003	0.0326	0.0273	2.0000e-004		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	35.4372	35.4372	6.8000e-004	6.5000e-004	35.6478
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	24864	1.3000e-004	1.2200e-003	1.0200e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3268	1.3268	3.0000e-005	2.0000e-005	1.3347
Total		0.0118	0.1070	0.0898	6.6000e-004		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	116.4158	116.4158	2.2400e-003	2.1300e-003	117.1076

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	88028.6	11.5794	1.1600e-003	2.4000e-004	11.6798
Fast Food Restaurant w/o Drive Thru	114732	15.0921	1.5100e-003	3.1000e-004	15.2228
Fast Food Restaurant with Drive Thru	305952	40.2455	4.0200e-003	8.3000e-004	40.5942
High Turnover (Sit Down Restaurant)	208589	27.4382	2.7400e-003	5.7000e-004	27.6760
Parking Lot	226164	29.7500	2.9700e-003	6.2000e-004	30.0078
Strip Mall	31867.5	4.1919	4.2000e-004	9.0000e-005	4.2282
Total		128.2970	0.0128	2.6600e-003	129.4088

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	84491.1	11.1141	1.1100e-003	2.3000e-004	11.2104
Fast Food Restaurant w/o Drive Thru	110160	14.4906	1.4500e-003	3.0000e-004	14.6162
Fast Food Restaurant with Drive Thru	293760	38.6417	3.8600e-003	8.0000e-004	38.9766
High Turnover (Sit Down Restaurant)	200277	26.3448	2.6300e-003	5.5000e-004	26.5731
Parking Lot	226164	29.7500	2.9700e-003	6.2000e-004	30.0078
Strip Mall	29725.5	3.9102	3.9000e-004	8.0000e-005	3.9440
Total		124.2514	0.0124	2.5800e-003	125.3281

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Unmitigated	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0186					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Total	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

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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	0.0186					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1439					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004
Total	0.1626	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Landscaping

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.8481	0.2332	5.6100e-003	15.3505
Unmitigated	7.8481	0.2332	5.6100e-003	15.3505

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.953982 / 0.584699	1.2509	0.0312	7.5000e-004	2.2550
Fast Food Restaurant w/o Drive Thru	1.09272 / 0.0697482	1.1566	0.0357	8.6000e-004	2.3043
Fast Food Restaurant with Drive Thru	2.91392 / 0.185995	3.0841	0.0952	2.2900e-003	6.1447
High Turnover (Sit Down Restaurant)	1.98511 / 0.126709	2.1011	0.0648	1.5600e-003	4.1861
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.194811 / 0.1194	0.2554	6.3700e-003	1.5000e-004	0.4605
Total		7.8481	0.2332	5.6100e-003	15.3505

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.953982 / 0.584699	1.2509	0.0312	7.5000e-004	2.2550
Fast Food Restaurant w/o Drive Thru	1.09272 / 0.0697482	1.1566	0.0357	8.6000e-004	2.3043
Fast Food Restaurant with Drive Thru	2.91392 / 0.185995	3.0841	0.0952	2.2900e-003	6.1447
High Turnover (Sit Down Restaurant)	1.98511 / 0.126709	2.1011	0.0648	1.5600e-003	4.1861
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.194811 / 0.1194	0.2554	6.3700e-003	1.5000e-004	0.4605
Total		7.8481	0.2332	5.6100e-003	15.3505

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	55.0857	3.2555	0.0000	136.4724
Unmitigated	55.0857	3.2555	0.0000	136.4724

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	38.73	7.8618	0.4646	0.0000	19.4774
Fast Food Restaurant w/o Drive Thru	41.47	8.4180	0.4975	0.0000	20.8553
Fast Food Restaurant with Drive Thru	110.58	22.4467	1.3266	0.0000	55.6109
High Turnover (Sit Down Restaurant)	77.83	15.7988	0.9337	0.0000	39.1408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.76	0.5603	0.0331	0.0000	1.3880
Total		55.0857	3.2555	0.0000	136.4724

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	38.73	7.8618	0.4646	0.0000	19.4774
Fast Food Restaurant w/o Drive Thru	41.47	8.4180	0.4975	0.0000	20.8553
Fast Food Restaurant with Drive Thru	110.58	22.4467	1.3266	0.0000	55.6109
High Turnover (Sit Down Restaurant)	77.83	15.7988	0.9337	0.0000	39.1408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.76	0.5603	0.0331	0.0000	1.3880
Total		55.0857	3.2555	0.0000	136.4724

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
