

MEMORANDUM

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Subject: Hyatt Hotel Project – Air Quality/Greenhouse Gas Emissions Technical Memorandum

PURPOSE

The purpose of this technical memorandum is to evaluate potential short- and long-term term air quality and greenhouse gas (GHG) impacts resulting from the construction and operation of the proposed Hyatt Hotel Project (project), located in the City of San José, California.

PROJECT LOCATION

The City of San José (City) is located in the easterly half of the Santa Clara Valley area of Santa Clara County. The City consists of approximately 143 square miles. The City is primarily surrounded by the cities of Milpitas, Los Gatos, Campbell, Saratoga, Cupertino, and Santa Clara.

The proposed Hyatt Hotel Project (project) is approximately 0.39-acre and is located at the southeast corner of West San Carlos and Willard Avenue at 1470 West San Carlos Street (Assessor's Parcel Number [APN]: 277-20-035). Regional access to the project site provided via Interstate 280 (I-280) and I-880. Local access to the project site is provided via West San Carlos Street and Willard Avenue.

EXISTING SITE CONDITIONS

The project site currently consists of a 530-square foot sales office and a 2,061-square foot mechanic shop, as well as a surface parking lot. The topography of the project site is relatively flat with an elevation of approximately 115 feet. According to the *Envision San José 2040 General Plan* (General Plan), the project site is designated as Urban Village (UV). According to the City's Zoning Map, the project site is zoned Commercial Neighborhood (CN). In addition, the project site is located within the Alameda and West San Carlos Street Neighborhood Business District (NBD). The NBD designation consists of a variety of commercial and non-commercial uses that contribute to neighborhood identity by serving as a focus for neighborhood activity. The project site is surrounded by residential uses to the north, east, and south, as well as commercial uses to the west.

PROJECT DESCRIPTION

The hotel would include 105 rooms, two guest lounges, a guest kitchen, bar/café, gym, office, staff room, ancillary storage, and housekeeping facilities. The hotel rooms would include 75 standard king rooms (331 to 332 square feet), 20 double queen rooms (344 square feet), 5 king suites (441 square feet), and 5 ADA accessible king rooms (374 square feet). In total, the hotel would have 125 guest beds. The project would include a single structure that would consist of six stories reaching a maximum height of approximately 85 feet.

Parking for the proposed project would consist of one Americans with Disability Act (ADA) accessible parking spaces on the ground level (accessible via the proposed driveway on West San Carlos Street), as well as two valet-assisted ADA spaces and 58 standard parking spaces in the basement level (accessible via the proposed driveway on Willard Avenue). The standard parking spaces would be accommodated via 25 vehicle lifts that are able to store two vehicles each and eight valet-parked tandem spaces. The project would construct a new 20-foot sidewalk with new curb and gutter on the north side of the project site (West San Carlos Street) and a 12-foot sidewalk with new curb, gutter, and approach on the west side of the project site (Willard Avenue). Installation of the sidewalk would require replacement of an existing bus stop with shelter along West San Carlos Street.

Project construction would occur over approximately 29 months, beginning in the February 2021. Construction of the project would include the following phases: demolition, grading, paving, building construction, and architectural coating.

EXISTING SETTING

AIR QUALITY

Local Ambient Air Quality

The Bay Area Air Quality Management District (BAAQMD) monitors air quality at over 30 monitoring stations distributed throughout the San Francisco Bay Area Air Basin (Basin). The closest monitoring station to the project site is the San José-Jackson Street Monitoring Station, which is located approximately two miles northeast of the site. The air pollutants measured at the San Jose-Jackson Street Monitoring Station include ozone (O₃), particulate matter 10 microns in diameter or less (PM₁₀), particulate matter 2.5 microns in diameter or less (PM_{2.5}), carbon monoxide (CO), and nitrogen dioxide (NO₂). The air quality data monitored at the San Jose-Jackson Street Monitoring Station from 2016 to 2018 are presented in Table 1, Measured Air Quality Levels. Table 1 lists the monitored maximum concentrations and number of exceedances of State/Federal air quality standards for each year.

**Table 1
Measured Air Quality Levels**

Pollutant	Primary Standard		Year	Maximum Concentration ¹	Number of Days State/Federal Std. Exceeded
	California	Federal			
Carbon Monoxide (CO) ² (1-Hour)	20 ppm for 1 hour	35 ppm for 1 hour	2016	1.953 ppm	0/0
			2017	2.145	0/0
			2018	2.513	0/0
Ozone (O ₃) ² (1-Hour)	0.09 ppm for 1 hour	N/A	2016	0.087 ppm	0/0
			2017	0.121	3/0
			2018	0.078	0/0
Ozone (O ₃) ² (8-Hour)	0.070 ppm for 8 hours	0.070 ppm for 8 hours	2016	0.067 ppm	0/0
			2017	0.099	4/4
			2018	0.061	0/0
Nitrogen Dioxide (NO _x) ²	0.18 ppm for 1 hour	0.100 ppm for 1 hour	2016	0.051 ppm	0/0
			2017	0.068	0/0
			2018	0.086	0/0
Particulate Matter (PM ₁₀) ^{2,3,4}	50 µg/m ³ for 24 hours	150 µg/m ³ for 24 hours	2016	41.0 µg/m ³	0/0
			2017	69.8	6/0
			2018	155.8	4/1
Fine Particulate Matter (PM _{2.5}) ^{2,3,4}	No Separate State Standard	35 µg/m ³ for 24 hours	2016	22.7 µg/m ³	*/0
			2017	49.7	*/6
			2018	133.9	*/15

Notes:
 ppm = parts per million
 µg/m³ = micrograms per cubic meter
 NM = Not Measured
 * = insufficient data available to determine the value
 PM₁₀ = particulate matter 10 microns in diameter or less
 PM_{2.5} = particulate matter 2.5 microns in diameter or less
 NA = Not Applicable

- Maximum concentration is measured over the same period as the California Standard.
- Measurements taken at the San Jose-Jackson Street Monitoring Station located at 158 E Jackson St, San Jose, CA 95112.
- PM₁₀ exceedances are based on State thresholds established prior to amendments adopted on June 20, 2002.
- PM₁₀ and PM_{2.5} exceedances are derived from the number of samples exceeded, not days.

Sources:
 California Air Resources Board, *ADAM Air Quality Data Statistics*, <http://www.arb.ca.gov/adam/>, accessed on October 1, 2019.
 California Air Resources Board, *AQMIS2: Air Quality Data*, <https://www.arb.ca.gov/aqmis2/aqdselect.php>, accessed on October 1, 2019.

Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than the general population. Sensitive populations (sensitive receptors) that are in proximity to localized sources of toxics and CO are of particular concern. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. The following types of people are most likely to be adversely affected by air pollution, as identified by CARB: children under 14, elderly over 65, athletes, and people with cardiovascular and chronic respiratory diseases. Locations that may contain a high concentration of these sensitive population groups are called sensitive receptors and include residential areas, hospitals, day-care facilities, elder-care facilities, elementary schools, and parks. The following receptors were identified as sensitive receptors in vicinity of the site:

- The proposed site is surrounded by adjacent residential receptors to the north, east, south, and west.
- The closest school is the Abraham Lincoln High School, located approximately 0.4-mile to the northwest, on Dana Avenue.

- The closest child-care center is the Laurel Play Gardens, located approximately 0.4-mile to the northeast, on Park Avenue.
- The closest library is the Cesar E. Chavez Library, located approximately 0.7-mile to the southwest, on Moorpark Avenue.

GREENHOUSE GAS EMISSIONS

Global Climate Change

California is a substantial contributor of GHGs, emitting over 420 million metric tons of carbon dioxide equivalent (CO₂e) per year.^{1,2} Methane (CH₄) is also an important GHG that potentially contributes to global climate change. GHGs are global in their effect, which is to increase the Earth's ability to absorb heat in the atmosphere. As primary GHGs have a long lifetime in the atmosphere, accumulate over time, and are generally well-mixed, their impact on the atmosphere is mostly independent of the point of emission. Every nation emits GHGs and as a result makes an incremental cumulative contribution to global climate change; therefore, global cooperation will be required to reduce the rate of GHG emissions enough to slow or stop the human-caused increase in average global temperatures and associated changes in climatic conditions.

The impact of human activities on global climate change is apparent in the observational record. Air trapped by ice has been extracted from core samples taken from polar ice sheets to determine the global atmospheric variation of CO₂, CH₄, and nitrous oxide (N₂O) from before the start of industrialization (approximately 1750), to over 650,000 years ago. For that period, it was found that CO₂ concentrations ranged from 180 to 300 parts per million (ppm). For the period from approximately 1750 to the present, global CO₂ concentrations increased from a pre-industrialization period concentration of 280 to 379 ppm in 2005, with the 2005 value far exceeding the upper end of the pre-industrial period range. As of May 2019, the highest monthly average concentration of CO₂ in the atmosphere was recorded at 414.7 ppm.³

REGULATORY SETTING

AIR QUALITY

U.S. Environmental Protection Agency

The EPA is responsible for implementing the Federal Clean Air Act (FCAA), which was first enacted in 1955 and amended numerous times after. The FCAA established Federal air quality standards known as the National Ambient Air Quality Standards (NAAQS). These standards identify levels of air quality for "criteria" pollutants that are considered the maximum levels of ambient (background) air pollutants considered safe, with an adequate margin of safety, to protect the public health and welfare

¹ California Energy Commission, *California Greenhouse Gas Emissions for 2000 to 2017*, https://www.arb.ca.gov/cc/inventory/pubs/reports/2000_2016/ghg_inventory_trends_00-16.pdf, accessed November 6, 2019.

² Carbon Dioxide Equivalent (CO₂e) - A metric measure used to compare the emissions from various greenhouse gases based upon their Global Warming Potential.

³ National Oceanic and Atmospheric Administration, *Carbon Dioxide Levels in Atmosphere Hit Record High in May*, <https://www.noaa.gov/news/carbon-dioxide-levels-in-atmosphere-hit-record-high-in-may>, accessed November 7, 2019.

California Air Resources Board

CARB administers the air quality policy in California. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. These standards are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates. The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS. These AQMP's also serve as the basis for the preparation of the State Implementation Plan for the State of California.

Like the EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data show that a State standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events are not considered violations of a State standard and are not used as a basis for designating areas as nonattainment.

Bay Area Air Quality Management District

The BAAQMD is the regional agency with jurisdiction over the nine-county Basin. The BAAQMD is responsible for attaining and maintaining air quality in the Basin with respect to Federal and State air quality standards, as established by the FCAA and the California Clean Air Act, respectively. Specifically, the BAAQMD has responsibility for monitoring ambient air pollutant levels throughout the Basin and developing and implementing strategies to attain the applicable Federal and State standards. The BAAQMD is also responsible for establishing and enforcing local air quality rules and regulations to address the requirements of federal and state air quality laws and ensuring that the NAAQS and CAAQS are met. A list of applicable BAAQMD rules is provided below.

- Regulation 6, Rule 1 (Particulate Matter): This regulation limits the quantity of particulate matter in the atmosphere through the establishment of limitations on emission rates, emission concentrations, visible emissions, and opacity.
- Regulation 6, Rule 3 (Wood-Burning Devices): This regulation prohibits installation of wood-burning devices in new building construction.
- Regulation 9, Rule 8 (Stationary Internal-Combustion Engines): This regulation limits emissions of NO_x and CO from stationary internal-combustion engines of more than 50 horsepower.

The most recent air quality plan, the 2017 Clean Air Plan, was adopted by the BAAQMD on April 19, 2017. The 2017 Clean Air Plan updates the most recent Bay Area ozone plan, the 2010 Clean Air Plan, in accordance with the requirements of the state Clean Air Act to implement all feasible measures to reduce ozone; provide a control strategy to reduce particulate matter, air toxics, and GHGs in a single, integrated plan; and establish emission control measures to be adopted or implemented. The 2017 Clean Air Plan contains the following primary goals:

- Protect Air Quality and Health at the Regional and Local Scale: Attain all State and national air quality standards, and eliminate disparities among Bay Area communities in cancer health risk from toxic air contaminants; and

- Protect the Climate: Reduce Bay Area GHG emissions to 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050.

The 2017 Clean Air Plan is the most current applicable air quality for the Basin. Consistency with the 2017 Clean Air Plan is the basis for determining whether the proposed project would conflict with or obstruct implementation of an air quality plan.

Envision San José 2040

The General Plan includes goals, policies, and actions to reduce exposure of the City's sensitive population to exposure of air pollution and toxic air contaminants (TACs). The following goals, policies, and actions are applicable to the proposed project:

Goal MS-11. Minimize exposure of people to air pollution and toxic air contaminants such as ozone, carbon monoxide, lead, and particulate matter.

Policy MS-11.1. Require completion of air quality modeling for sensitive land uses such as new residential developments that are located near sources of pollution such as freeways and industrial uses. Require new residential development projects and projects categorized as sensitive receptors to incorporate effective mitigation into project designs or be located an adequate distance from sources of toxic air contaminants (TACs) to avoid significant risks to health and safety.

Policy MS-11.4. Encourage the installation of appropriate air filtration at existing schools, residences, and other sensitive receptor uses adversely affected by pollution sources.

Policy MS-11.5. Encourage the use of pollution absorbing trees and vegetation in buffer areas between substantial sources of TACs and sensitive land uses.

Action MS-11.7. Consult with BAAQMD to identify stationary and mobile TAC sources and determine the need for and requirements of a health risk assessment for proposed developments.

GREENHOUSE GAS EMISSIONS

The State of California has adopted various administrative initiatives and legislation relating to climate change, much of which set aggressive goals for GHG emissions reductions Statewide. Although lead agencies must evaluate climate change and GHG emissions of projects subject to the California Environmental Quality Act (CEQA), the CEQA Guidelines do not require or suggest specific methodologies for performing an assessment or specific thresholds of significance and do not specify GHG reduction mitigation measures. Instead, the guidelines allow lead agencies to choose methodologies and make significance determinations based on substantial evidence, as discussed in further detail below. No state agency has promulgated binding regulations for analyzing GHG emissions, determining their significance, or mitigating significant effects in CEQA documents. Thus, lead agencies exercise their discretion in determining how to analyze GHGs.

California Global Warming Solutions Act (Assembly Bill 32)

The primary act that has driven GHG regulation and analysis in California include the California Global Warming Solutions Act of 2006 (Assembly Bill [AB] 32), which instructs the California Air Resources Board

(CARB) to develop and enforce regulations for the reporting and verifying of Statewide GHG emissions. The act directed CARB to set a GHG emissions limit based on 1990 levels, to be achieved by 2020. The bill set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner. The heart of the bill is the requirement that Statewide GHG emissions be reduced to 1990 levels by 2020.

CARB Scoping Plan

On December 11, 2008, CARB adopted its Scoping Plan, which functions as a roadmap to achieve GHG reductions in California required by AB 32 through subsequently enacted regulations. CARB's Scoping Plan contains the main strategies California will implement to reduce CO₂e emissions by 174 million metric tons (MT), or approximately 30 percent, from the State's projected 2020 emissions level of 596 million MTCO₂e under a business as usual (BAU)⁴ scenario. This is a reduction of 42 million MTCO₂e, or almost ten percent, from 2002 to 2004 average emissions, but requires the reductions in the face of population and economic growth through 2020.

CARB's Scoping Plan calculates 2020 BAU emissions as the emissions that would be expected to occur in the absence of any GHG reduction measures. The 2020 BAU emissions estimate was derived by projecting emissions from a past baseline year using growth factors specific to each of the different economic sectors (e.g., transportation, electrical power, commercial and residential, industrial, etc.). CARB used three-year average emissions, by sector, for 2002 to 2004 to forecast emissions to 2020. The measures described in CARB's Scoping Plan are intended to reduce the projected 2020 BAU to 1990 levels, as required by AB 32.

AB 32 requires CARB to update the Scoping Plan at least once every five years. CARB adopted the first major update to the Scoping Plan on May 22, 2014. The updated Scoping Plan summarizes recent science related to climate change, including anticipated impacts to California and the levels of GHG reduction necessary to likely avoid risking irreparable damage. It identifies the actions California has already taken to reduce GHG emissions and focuses on areas where further reductions could be achieved to help meet the 2020 target established by AB 32. The Scoping Plan update also looks beyond 2020 toward the 2050 goal, established in Executive Order S-3-05, and observes that "a mid-term statewide emission limit will ensure that the State stays on course to meet our long-term goal." The Scoping Plan update did not establish or propose any specific post-2020 goals, but identified such goals adopted by other governments or recommended by various scientific and policy organizations.

In December 2017, CARB approved the *California's 2017 Climate Change Scoping Plan: The Strategy for Achieving California's 2030 Greenhouse Gas Target* (2017 Scoping Plan). This update focuses on implementation of a 40 percent reduction in GHGs by 2030 compared to 1990 levels. Achieving the 2030 target under the 2017 Scoping Plan will also spur the transformation of the California economy and fix its course securely on achieving an 80 percent reduction in GHG emissions by 2050, consistent with the global consensus of the scale of reductions needed to stabilize atmospheric GHG concentrations at 450 ppm carbon dioxide equivalent and reduce the likelihood of catastrophic climate change. Currently, global levels are at just above 400 ppm. Table 2, *California State Climate Change Legislation*, provides a brief overview of other California legislation relating to climate change that may affect emissions associated with the proposed project.

⁴ "Business as Usual" refers to emissions that would be expected to occur in the absence of GHG reductions. See <http://www.arb.ca.gov/cc/inventory/data/bau.htm>. Note that there is significant controversy as to what BAU means. In determining the GHG 2020 limit, CARB used the above as the definition. It is broad enough to allow for design features to be counted as reductions.

Table 2
California State Climate Change Legislation

Legislation	Description
Assembly Bill 1493 and Advanced Clean Cars Program	Assembly Bill 1493 (“the Pavley Standard”) (Health and Safety Code Sections 42823 and 43018.5) aims to reduce GHG emissions from noncommercial passenger vehicles and light-duty trucks of model years 2009 to 2016. By 2025, when all rules will be fully implemented, new automobiles will emit 34 percent fewer CO ₂ e emissions and 75 percent fewer smog-forming emissions.
Low Carbon Fuel Standard	Executive Order S-01-07 (2007) requires a 10 percent or greater reduction in the average fuel carbon intensity for transportation fuels in California. The regulation took effect in 2010 and is codified at Title 17, California Code of Regulations, Sections 95480–95490. The Low Carbon Fuel Standard will reduce GHG emissions by reducing the carbon intensity of transportation fuels used in California by at least 10 percent by 2020.
Renewables Portfolio Standard (Senate Bill X1-2, Senate Bill 350, and Senate Bill 100)	California’s Renewables Portfolio Standard (RPS) requires retail sellers of electric services to increase procurement from eligible renewable energy resources to 33 percent of total retail sales by 2020. The 33 percent standard is consistent with the RPS goal established in the Scoping Plan. The passage of Senate Bill 350 in 2015 updates the RPS to require the amount of electricity generated and sold to retail customers per year from eligible renewable energy resources to be increased to 50 percent by December 31, 2030. The bill will make other revisions to the RPS program and to certain other requirements on public utilities and publicly owned electric utilities. The passage of Senate Bill 100 in 2018 further requires achieving 60 percent renewable energy resources target by 2030, and 100 percent renewable energy resources target by 2045.
Senate Bill 375*	SB 375 took effect in 2008 and provides a new planning process to coordinate land use planning, regional transportation plans, and funding priorities to help California meet the GHG reduction goals established in AB 32.
California Building Energy Efficiency Standards	California’s Energy Efficiency Standards for Residential and Nonresidential Buildings, located at Title 24, Part 6 of the CCR and commonly referred to as “Title 24,” were established in 1978 in response to a legislative mandate to reduce California’s energy consumption. Title 24 requires the design of building shells and building components to conserve energy. Compliance with Title 24, Part 6 is enforced through the building permit process. The California Energy Commission adopted the 2019 Title 24 standards, which became effective on January 1, 2020. The 2019 standards continue to improve upon the 2016 Title 24 standards for new construction of, and additions and alterations to, residential and non-residential buildings. Under 2019 Title 24 standards, nonresidential buildings will use about 30 percent less energy, mainly due to lighting upgrades, when compared to 2016 Title 24 standards. Further, 2019 Title 24 standards require installation of solar photovoltaic panels within residential developments, which would reduce energy usage by 53 percent compared to the 2016 Title 24 standards. ^{1,2,3}
California Green Building Standards	The California Green Building Standards Code (California Code of Regulations, Title 24, Part 11), commonly referred to as the CALGreen Code, is a Statewide mandatory construction code developed and adopted by the California Building Standards Commission and the Department of Housing and Community Development. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics.
Senate Bill 32 (Amendments to California Global Warming Solutions Act of 2006: Emission Limit)	Signed into law in September 2016, SB 32 codifies the 2030 target in the recent Executive Order B-30-15. The bill authorizes the state board to adopt an interim GHG emissions level target to be achieved by 2030. SB 32 states that the intent is for the legislature and appropriate agencies to adopt complementary policies which ensure that the long-term emissions reductions advance specified criteria. In December 2017, CARB approved the <i>California’s 2017 Climate Change Scoping Plan: The Strategy for Achieving California’s 2030 Greenhouse Gas Target</i> that provides guidance for compliance with SB 32.
<p>Notes:</p> <p>*Senate Bill 375 is codified at Government Code Sections 65080, 65400, 65583, 65584.01, 65584.02, 65584.04, 65587, 65588, 14522.1, 14522.2, and 65080.01, as well as at Public Resources Code Sections 21061.3 and 21159.28 and Chapter 4.2.</p> <p>1. California Energy Commission, <i>2016 Building Energy Efficiency Standards</i>, www.energy.ca.gov/title24/2016standards/, accessed October 1, 2019.</p> <p>2. California Energy Commission, <i>2019 Building Energy Efficiency Standards</i>, https://www.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf, accessed October 1, 2019.</p> <p>3. California Energy Commission, <i>2019 Building Energy Efficiency Standards Fact Sheet</i>, March 2018.</p>	

County of Santa Clara Climate Action Plan for Operations and Facilities

The County of Santa Clara adopted the *County of Santa Clara Climate Action Plan for Operations and Facilities* (CAP) on September 8, 2009. The CAP focuses on County operations, facilities, and employee actions that will reduce not only GHG emissions but also energy and water consumption, solid waste and fuel consumption. These are areas of opportunity for the County to make a difference, set a good example, and in many cases, save money. The GHG emission reduction goals require a change from “business as usual” to attain them. The goals were to stop increasing the amount of emissions by 2010, decrease emissions by 10 percent every five years from 2010 to 2050, and reach an 80 percent reduction by 2050. The CAP is being issued in the context of legislative and regulatory action at the Federal and State level. California’s climate change goals are set forth in AB 32, the Global Warming Solutions Act of 2006. This legislation requires a reduction of California GHG emissions to 1990 levels by 2020. Executive Order S-03-05 goes even further by requiring statewide reductions in GHG emissions to 80 percent below 1990 by the year 2050.

Climate Smart San Jose

The City of San José adopted *Climate Smart San Jose* (Climate Smart Plan) on February 27, 2018. The goal of the Climate Smart Plan is to transform San José into a climate smart city that is substantially decarbonized and meeting requirements of Californian climate change laws. The Climate Smart Plan also focuses on an aggressive set of short-, medium- and long-term goals to meet the Paris Agreement-aligned targets.⁵ Among the plan’s most notable goals:

- By 2021, San José will make 100 percent emission-free electricity available to all San José Clean Energy users.
- By 2030, San José will reduce carbon emissions from vehicular trips by 1 million tons/year by facilitating the expansion of ridesharing, electric vehicles, and public transit in the city.
- By 2040, San José will become the first city in the world to produce 1 gigawatt of solar power (which is enough to power the equivalent of 250,000 homes).

Additionally, the Climate Smart Plan is a community-wide initiative to reduce air pollution, save water, and create a stronger and healthier community. The purpose of the Climate Smart Plan is to take San José into the next generation of urban sustainability by transforming buildings, mobility, and the workforce.

City of San Jose Greenhouse Gas Reduction Strategy

The City of San José adopted a Greenhouse Gas Reduction Strategy on November 1, 2011, to be consistent with the implementation requirements of AB 32. AB 32 requires the State of California as a whole to reduce GHG emissions to 1990 levels by the year 2020. The Greenhouse Gas Reduction Strategy seeks to reduce GHG emissions within the City through a number of sustainable actions, including minimizing car travel, building site locations that optimize solar installation potential either for heating water or for electricity generation, planting trees to help mitigate heat island effects, and providing access to safe, pedestrian friendly sidewalks, trails and bike paths, as well as mass transit.

⁵ On December 12, 2015, parties to the United Nations Framework Convention on Climate Change reached a landmark agreement to combat climate change and to accelerate and intensify the actions and investments needed for a sustainable low carbon future. The Paris Agreement’s central aim is to strengthen the global response to the threat of climate change by keeping a global temperature rise this century well below 2 degrees Celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5 degrees Celsius.

The City of San José is currently updating the Greenhouse Gas Reduction Strategy in response to SB 32 which expands upon AB 32, requiring a reduction in greenhouse gas emissions of at least 40 percent below the 1990 levels by 2030. The Greenhouse Gas Reduction Strategy will build on the Climate Smart Plan which expands on the City's Green Vision to advance the City towards urban sustainability. The final Greenhouse Gas Reduction Strategy will serve as a Qualified Climate Action Plan for purposes of tiering under CEQA.

Envision San José 2040

The General Plan includes strategies, policies, and action items that are incorporated in the City's Greenhouse Gas Reduction Strategy to help reduce GHG emissions. Multiple policies and actions in the General Plan have GHG implications, including land use, housing, transportation, water usage, solid waste generation and recycling, and reuse of historic buildings. The General Plan includes the following GHG policies applicable to the proposed project.

Policy MS-2.11. Require new development to incorporate green building practices, including those required by the Green Building Ordinance. Specifically, target reduced energy use through construction techniques (e.g., design of building envelopes and systems to maximize energy performance), through architectural design (e.g. design to maximize cross ventilation and interior daylight) and through site design techniques (e.g. orienting buildings on sites to maximize the effectiveness of passive solar design).

Policy MS-14.4. Implement the City's Green Building Policies so that new construction and rehabilitation of existing buildings fully implements industry best practices, including the use of optimized energy systems, selection of materials and resources, water efficiency, sustainable site selection, passive solar building design, and planting of trees and other landscape materials to reduce energy consumption.

AIR QUALITY THRESHOLDS

Under CEQA, the BAAQMD is an expert commenting agency on air quality within its jurisdiction or impacting its jurisdiction. Under the FCAA, the BAAQMD has adopted Federal attainment plans for O₃ and PM_{2.5}. The BAAQMD reviews projects to ensure that they would not: (1) cause or contribute to any new violation of any air quality standard; (2) increase the frequency or severity of any existing violation of any air quality standard; or (3) delay timely attainment of any air quality standard or any required interim emission reductions or other milestones of any Federal attainment plan.

The BAAQMD *CEQA Air Quality Guidelines* (Guidelines) provide significance thresholds for both construction and operation of projects within the BAAQMD jurisdictional boundaries. The thresholds have been developed by the BAAQMD in order to attain state and national ambient air quality standards. Therefore, projects below these thresholds would not violate an air quality standard and would not contribute substantially to an existing or projected air quality violation. These recommendations, which are listed as follows, represent the best available science on the subject of what constitute significant air quality effects in the Basin:

- NO_x and ROG: 54 pounds/day
- PM₁₀: 82 pounds/day
- PM_{2.5}: 54 pounds/day

- CO: A quantitative CO impact analysis is not required (comparing project emissions to the CAAQS), if the following criteria are met:
 - Project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, regional transportation plan, and local congestion management agency plans.
 - The project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
 - The project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway).

GREENHOUSE GAS EMISSIONS THRESHOLDS

BAAQMD adopted GHG emissions thresholds of significance to assist in the review of projects under CEQA. These thresholds were designed to establish the level at which BAAQMD has determined that GHG emissions would cause significant environmental impacts. The GHG emissions thresholds identified by BAAQMD are 1,100 MTCO₂e per year or 4.6 MTCO₂e per service population per year. The numeric thresholds set by BAAQMD and included within the City's Greenhouse Gas Reduction Strategy were calculated to achieve the State's 2020 target for GHG emission levels (and not the SB 32 specified target of 40 percent below the 1990 GHG emissions level). Project construction is estimated to commence in 2020 and be fully operational by 2022. Because the project would begin operations in the post-2020 timeframe, the project would not be covered under the City's Greenhouse Gas Reduction Strategy.

BAAQMD has yet to publish a quantified GHG efficiency threshold for 2030. The City has developed updated GHG thresholds reflecting Statewide goals beyond 2020. GHG emissions resulting from project operations have been compared to a significance threshold consistent with State goals detailed in SB 32, Executive Order B-30-15, and Executive Order S-3-05 to reduce GHG emissions by 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050, respectively. Although BAAQMD has not published a quantified threshold for 2030, this assessment uses a 660 MTCO₂e per year significance threshold, which is 40 percent below the 2020 threshold of 1,100 MTCO₂e per year.⁶ The 660 MTCO₂e per year significance threshold was calculated for 2030 based on the GHG reduction goals of SB 32 and Executive Order B-30-15.

CEQA THRESHOLDS

Air Quality Related

The environmental analysis in this memorandum is patterned after the Initial Study Checklist recommended by the *CEQA Guidelines*, as amended. The issues presented in the Initial Study Checklist have been utilized as thresholds of significance in this section. Accordingly, a project may create a significant environmental impact if it causes one or more of the following to occur:

⁶ Association of Environmental Professionals, *Beyond 2020 and Newhall: A Field Guide to New CEQA Greenhouse Gas Thresholds and Climate Action Plan Targets for California*, 2016.

- Conflict with or obstruct implementation of the applicable air quality plan (refer to Impact Statement AQ-1);
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable Federal or State ambient air quality standard (refer to Impact Statement AQ-2);
- Expose sensitive receptors to substantial pollutant concentrations (refer to Impact Statement AQ-3);
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people (refer to Impact Statement AQ-4);

Greenhouse Gas Related

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment (refer to Impact Statement GHG-1); and/or
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases (refer to Impact Statement GHG-2).

AIR QUALITY IMPACT ANALYSIS

AQ-1 Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. The most recently adopted air quality plan in the Basin is the Clean Air Plan. The Clean Air Plan outlines how the San Francisco Bay Area will attain air quality standards, reduce population exposure and protect public health, and reduce GHG emissions.

The Clean Air Plan assumptions for projected air emissions and pollutants in San José are based on the General Plan Land Use/Transportation Diagram Map which designates the project site as “Urban Village”. Because the project is consistent with this designation, the project would not exceed the projections used by the BAAQMD to develop the Clean Air Plan. As such, the proposed project would not significantly affect regional vehicle miles traveled pursuant to the CEQA Guidelines (Section 15206) because of its consistency with adopted land use plans in the City of San José. In addition, the proposed project would not have the potential to exceed the level of population or housing foreseen in regional planning efforts.

As described below in Impact Statements AQ-2 and AQ-3, construction and operational air quality emissions generated by the proposed project would not exceed the BAAQMD’s emissions thresholds. These thresholds are established to identify projects that have the potential to generate a substantial amount of criteria air pollutants. Because the proposed project would not exceed these thresholds, the proposed project would not be considered by the BAAQMD to be a substantial emitter of criteria air pollutants, and would not contribute to any non-attainment areas in the Basin. Therefore, the project would be in compliance with the Clean Air Plan and impacts would be less than significant in this regard.

Mitigation Measures: No mitigation is required.

AQ-2 Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard?

Less Than Significant Impact.

Short-Term Construction

Short-term air quality impacts are predicted to occur during grading and construction activities associated with implementation of the proposed project. Temporary air emissions would result from the following activities:

- Particulate (fugitive dust) emissions from grading activities; and
- Exhaust emissions from the construction equipment and the motor vehicles of the construction crew.

Construction activities would include demolition, grading, building construction, paving, and application of architectural coatings. Site grading would require approximately 6,994 cubic yards of soil export. Emissions for each construction phase have been quantified based upon the phase durations and equipment types. The analysis of daily construction emissions has been prepared utilizing the California Emissions Estimator Model version 2016.3.2 (CalEEMod); refer to Appendix A, Air Quality/Greenhouse Gas Emissions Data, Table 3, Short-Term Construction Emissions, presents the anticipated daily short-term construction emissions.

**Table 3
Short-Term Construction Emissions**

Emissions Source	Pollutant (pounds/day) ^{1,2}			
	ROG	NO _x	PM ₁₀	PM _{2.5}
Year 1				
Emissions	3.37	33.39	4.10	2.54
BAAQMD Thresholds	54	54	82	54
Is Threshold Exceeded?	No	No	No	No
Year 2				
Emissions	2.03	18.52	1.19	0.97
BAAQMD Thresholds	54	54	82	54
Is Threshold Exceeded?	No	No	No	No
Year 3				
Emissions	31.70	18.06	1.15	0.92
BAAQMD Thresholds	54	54	82	54
Is Threshold Exceeded?	No	No	No	No
ROG = reactive organic gases; NO _x = nitrogen oxides; PM ₁₀ = particulate matter 10 microns in diameter or less; PM _{2.5} = particulate matter 2.5 microns in diameter or less				
Notes:				
1. Emissions were calculated using CalEEMod version 2016.3.2 and EMFAC 2017, as recommended by the BAAQMD and CARB.				
2. The emissions presented include reductions associated with the City of San Jose Standard Permit Conditions (i.e., replace ground cover on disturbed areas quickly, water exposed surfaces twice daily, and proper loading/unloading of mobile and other construction equipment).				
Refer to <u>Appendix A, Air Quality/Greenhouse Gas Emissions Data</u> , for assumptions used in this analysis.				

Fugitive Dust Emissions

Construction activities are a source of fugitive dust (also known as PM₁₀ and PM_{2.5}) emissions that may have a substantial, temporary impact on local air quality. Fugitive dust is often a nuisance to those living and working within the vicinity of the project site. Fugitive dust emissions are associated with demolition, land clearing, ground excavation, cut and fill operations, and truck travel on unpaved roadways. Fugitive dust emissions also vary substantially from day to day, depending on the level of activity, the specific operations, and weather conditions.

PM₁₀ and PM_{2.5} are both emitted during construction activities and as a result of wind erosion over exposed soil surfaces. Clearing and grading activities comprise the major sources of construction dust emissions, but traffic and general disturbance of the soil also generates significant dust emissions. PM₁₀ and PM_{2.5} emissions can vary greatly depending on the level of activity, the specific operations taking place, the equipment being operated, local soils, weather conditions, and other factors making quantification difficult. The highest potential for construction dust impacts would occur during the dry late spring, summer, and early fall months when soils are dry. Despite this variability in emissions, experience has shown that there are a number of feasible control measures that can be reasonably implemented to significantly reduce PM₁₀ and PM_{2.5} emissions from construction activities; refer to the City's Standard Permit Conditions listed below.

Construction Equipment and Worker Vehicle Exhaust

Exhaust emission factors for typical diesel-powered heavy equipment are based on the CalEEMod program defaults. Variables factored into estimating the total construction emissions include: level of activity, length of construction period, number of pieces/types of equipment in use, site characteristics, weather conditions, number of construction personnel, and the amount of materials to be transported on- or off-site.

Exhaust emissions from construction activities include emissions associated with the transport of machinery and supplies to and from the project site, emissions produced on-site as the equipment is used, and emissions from trucks transporting materials and workers to and from the site. Emitted pollutants would include ROG, NO_x, PM₁₀, and PM_{2.5}. As seen in [Table 3](#), BAAQMD thresholds would not be exceeded during construction activities associated with the proposed project. A less than significant impact would occur in this regard.

ROG Emissions

In addition to gaseous and particulate emissions, the application of asphalt and surface coatings creates ROG emissions, which are O₃ precursors. In accordance with the methodology prescribed by the BAAQMD, the ROG emissions associated with paving have been quantified with CalEEMod. Architectural coatings were also quantified with CalEEMod based upon the size of the building. As indicated in [Table 3](#), the project would result in a maximum of 31.70 pounds per day of ROG emissions during construction activities. As such, construction ROG emissions would not exceed the BAAQMD threshold of 54 pounds per day. Therefore, a less than significant impact would occur with regard to ROG emissions.

Naturally Occurring Asbestos

Asbestos is a term used for several types of naturally occurring fibrous minerals that are a human health hazard when airborne. The most common type of asbestos is chrysotile, but other types such as tremolite and actinolite are also found in California. Asbestos is classified as a known human carcinogen by State, Federal, and international agencies and was identified as a toxic air contaminant by the CARB in 1986.

Asbestos can be released from serpentinite and ultramafic rocks when the rock is broken or crushed. At the point of release, the asbestos fibers may become airborne, causing air quality and human health hazards. These rocks have been commonly used for unpaved gravel roads, landscaping, fill projects, and other improvement projects in some localities. Asbestos may be released to the atmosphere due to vehicular traffic on unpaved roads, during grading for development projects, and at quarry operations. All of these activities may have the effect of releasing potentially harmful asbestos into the air. Natural weathering and erosion processes can act on asbestos bearing rock and make it easier for asbestos fibers to become airborne if such rock is disturbed. According to the California Department of Conservation, serpentinite and ultramafic rocks are not known to occur within the project area.⁷ Thus, there would be no impact in this regard.

Total Daily Construction Emissions

In accordance with the BAAQMD Guidelines, CalEEMod was utilized to model construction emissions for ROG, NO_x, PM₁₀, and PM_{2.5}. Construction would occur over an approximate 29 month period, with the greatest amount of fugitive dust emissions being generated during the grading stage of construction. Additionally, the greatest amount of ROG emissions would typically occur during the final stages of development due to the application of architectural coatings.

As indicated in Table 3, the proposed project would not result in an exceedance of any BAAQMD thresholds for ROG, NO_x, PM₁₀, and PM_{2.5}. Notwithstanding, the project would be required to comply with the City's Standard Permit Conditions which would further reduce emissions, as detailed below. A less than significant impact would occur in this regard.

City of San Jose Standard Permit Conditions

The project applicant will ensure the contractor implements the following Measures:

- Water active construction areas at least twice daily or as often as needed to control dust emissions.
- Cover trucks hauling soil, sand, and other loose materials and/or ensure that all trucks hauling such materials maintain at least two feet of freeboard.
- Remove visible mud or dirt track-out onto adjacent public roads using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- Enclose, cover, water twice daily or apply non-toxic soil binders to exposed stockpiles (dirt, sand, etc.).

⁷ California Department of Conservation Division of Mines and Geology, *A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos Report*, August 2000.

- Pave new or improved roadways, driveways, and sidewalks as soon as possible.
- Lay building pads as soon as possible after grading unless seeding or soil binders are used.
- Replant vegetation in disturbed areas as quickly as possible.
- Install sandbags or other erosion control measures to prevent silt runoff to public roadways.
- Minimize idling times either by shutting off equipment when not in use, or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations). Provide clear signage for construction workers at all access points.
- Maintain and properly tune construction equipment in accordance with manufacturer's specifications. Check all equipment by a certified mechanic and record a determination of running in proper condition prior to operation.
- Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints.

Long-Term (Operational) Emissions

Mobile Source Emissions

Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO_x, SO_x, PM₁₀, and PM_{2.5} are all pollutants of regional concern (NO_x and ROG react with sunlight to form O₃ [photochemical smog], and wind currents readily transport SO_x, PM₁₀, and PM_{2.5}); however, CO tends to be a localized pollutant, dispersing rapidly at the source.

Project-generated vehicle emissions have been estimated using the Emission FACTor model (EMFAC 2017) and CalEEMod. Based on the *Hyatt Place Hotel Local Transportation Analysis* (Transportation Analysis), prepared by Michael Baker International and dated September 24, 2019, the proposed project would generate approximately 764 net new daily vehicle trips. Table 4, Long-Term Operational Air Emissions, presents the anticipated mobile source emissions. As shown in Table 4, emissions generated by vehicle traffic associated with the project would not exceed established BAAQMD thresholds. Impacts from mobile source air emissions would be less than significant.

**Table 4
Long-Term Operational Air Emissions**

Emissions Source	Pollutant (pounds/day) ^{1,2}			
	ROG	NO _x	PM ₁₀	PM _{2.5}
Long-Term Emissions				
Mobile Emissions	1.24	0.00	0.00	0.00
Area Source Emissions	0.05	0.44	0.03	0.03
Energy Emissions	1.71	2.44	3.09	0.84
<i>Total Project Emissions</i> ³	3.00	2.88	3.13	0.88
<i>BAAQMD Threshold</i>	54	54	82	54
<i>Is Threshold Exceeded? (Significant Impact?)</i>	No	No	No	No
Notes:				
1. Emissions were calculated using CalEEMod version 2016.3.2 and EMFAC 2017, as recommended by the BAAQMD and CARB.				
2. Based on CalEEMod modeling results, worst-case seasonal emissions for area, energy, and mobile emissions have been modeled. Refer to Appendix A, Air Quality/Greenhouse Gas Emissions Data , for assumptions used in this analysis.				
3. Total project emissions include use of natural gas hearths only per BAAQMD Regulation 6, Rule 3 (Wood-Burning Devices).				
Refer to Appendix A, Air Quality/Greenhouse Gas Emissions Data , for assumptions used in this analysis.				

Area Source Emissions

Area source emissions would be generated due to an increased demand for natural gas associated with the development of the proposed project. The primary use of natural gas producing area source emissions by the project would be for consumer products, architectural coating, and landscaping. As shown in [Table 4](#), area source emissions from the proposed project would not exceed BAAQMD thresholds for ROG, NO_x, PM₁₀, or PM_{2.5}.

Energy Source Emissions

Energy source emissions would be generated as a result of electricity usage associated with the proposed project. The primary use of electricity by the project would be for ventilation, lighting, appliances, and electronics. As shown in [Table 4](#), energy source emissions from the proposed project would not exceed BAAQMD thresholds for ROG, NO_x, PM₁₀, or PM_{2.5}.

Total Daily Operational Emissions

As indicated in [Table 4](#), operational emissions from the proposed project would not exceed BAAQMD thresholds. Thus, operational air quality impacts would be less than significant.

Air Quality Health Impacts

Adverse health effects induced by criteria pollutant emissions are highly dependent on a multitude of interconnected variables (e.g., cumulative concentrations, local meteorology and atmospheric conditions, and the number and character of exposed individual [e.g., age, gender]). In particular, O₃ precursors, VOCs, and NO_x affect air quality on a regional scale. Health effects related to O₃ are therefore the product of emissions generated by numerous sources throughout a region. Existing models have limited sensitivity to small changes in criteria pollutant concentrations, and, as such, translating project-generated criteria

pollutants to specific health effects or additional days of nonattainment would produce meaningless results. In other words, the project's less than significant increases in regional air pollution from criteria air pollutants would have nominal or negligible impacts on human health.

As noted in the Brief of Amicus Curiae by the SCAQMD (April 6, 2015) for the *Sierra Club vs. County of Fresno*, the SCAQMD acknowledged it would be extremely difficult, if not impossible to quantify health impacts of criteria pollutants for various reasons including modeling limitations as well as where in the atmosphere air pollutants interact and form. Further, as noted in the Brief of Amicus Curiae by the San Joaquin Valley Air Pollution Control District (SJVAPCD) (April 13, 2015) for the *Sierra Club vs. County of Fresno*, SJVAPCD has acknowledged that currently available modeling tools are not equipped to provide a meaningful analysis of the correlation between an individual development project's air emissions and specific human health impacts.

The SCAQMD acknowledges that health effects quantification from O₃, as an example is correlated with the increases in ambient level of O₃ in the air (concentration) that an individual person breathes. SCAQMD's Brief of Amicus Curiae states that it would take a large amount of additional emissions to cause a modeled increase in ambient O₃ levels over the entire region. The SCAQMD states that based on their own modeling in the SCAQMD's *2012 Air Quality Management Plan*, a reduction of 432 tons (864,000 pounds) per day of NO_x and a reduction of 187 tons (374,000 pounds) per day of VOCs would reduce O₃ levels at highest monitored site by only nine parts per billion. As such, the SCAQMD concludes that it is not currently possible to accurately quantify O₃-related health impacts caused by NO_x or VOC emissions from relatively small projects (defined as projects with regional scope) due to photochemistry and regional model limitations. Thus, as the project is an individual development project and would not exceed BAAQMD thresholds for construction and operational air emissions, the project would have a less than significant impact for air quality health impacts.

Mitigation Measures: No mitigation is required.

AQ-3 Would the project expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. Sensitive receptors are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. CARB has identified the following groups of individuals as the most likely to be affected by air pollution: the elderly over 65, children under 14, athletes, and persons with cardiovascular and chronic respiratory diseases such as asthma, emphysema, and bronchitis. The closest sensitive receptors are residential uses adjoining the project site to the east and south.

Localized Carbon Monoxide Hotspot

The Basin is designated as attainment for carbon monoxide (CO). Emissions and ambient concentrations of CO have decreased dramatically in the Basin with the introduction of the catalytic converter in 1975. No exceedances of the CAAQS or NAAQS for CO have been recorded at nearby monitoring stations since 1991. As a result, the BAAQMD screening criteria notes that CO impacts may be determined to be less than significant if a project is consistent with the applicable congestion management plan (CMP) and would not increase traffic volumes at local intersections to more than 24,000 vehicles per hour for locations in heavily urban areas, where "urban canyons" formed by buildings tend to reduce air circulation. Based on the scope of the proposed project (construction of a 63,548-square foot hotel development), traffic would increase along surrounding roadways during long-term operational activities.

However, according to the Transportation Analysis for the proposed project, the project would generate approximately 764 net new daily vehicle trips. Therefore, the project would not generate a significant number of vehicle trips and effects related to CO concentrations would be less than significant.

Parking Structure Hotspots

Carbon monoxide concentrations are a function of vehicle idling time, meteorological conditions, and traffic flow. Therefore, parking structures (and particularly subterranean parking structures) tend to be of concern regarding CO hotspots, as they are enclosed spaces with frequent cars operating in cold start mode. Approximately 60 parking spaces would be constructed within the basement parking area. The proposed project would be required to comply with the ventilation requirements of the International Mechanical Code (Section 403.5 [Public Garages]), which requires that mechanical ventilation systems for public garages operate automatically upon detection of a concentration of carbon monoxide of 25 ppm by approved detection devices. The 25-ppm trigger is the maximum allowable concentration for continuous exposure in any eight-hour period according to the American Conference of Governmental Industrial Hygienists.⁸ Impacts related to parking structure CO hotspots would be less than significant.

Health Risk Impact Assessment

Carcinogenic Hazard

Based on the AERMOD outputs, the highest expected hourly average diesel PM₁₀ emission concentrations at the project site resulting from diesel truck traffic along West San Carlos Street would be approximately 0.03381 µg/m³. The highest expected annual average diesel PM₁₀ emission concentrations at the project site would be approximately 0.00789 µg/m³. The calculations conservatively assume cleaner technology with lower emissions are not implemented in future years. Cancer risk calculations are based on 70-, 30-, 9- and 25-year worker exposure scenarios. As shown in Table 5, Health Risk at Project Site, the highest calculated carcinogenic risk as a result of the project is 8.28 per million for 70-year exposure, 6.98 per million for 30-year exposure, 0.49 per million for 25-year worker exposure, and 4.85 per million for 9-year exposure. Under all worker exposure scenarios, health risk would not exceed the established significance threshold of 10 in 1 million.

Furthermore, the project would be required to comply with the 2019 Title 24 requirements, which requires installation of MERV 13 air filters or higher. MERV 13 air filters would reduce PM₁₀ concentrations by 95 percent, which would drastically lower the maximum cancer risk from DPM. It should be noted that as a hotel project, it is not anticipated that sensitive receptors would be present on-site for the 9-, 30-, and 70-year resident exposure, and 25-year worker exposure scenarios. As shown, impacts related to cancer risk and PM₁₀ concentrations from diesel truck traffic along West San Carlos Street would be less than significant at the project site.

⁸ INTEC Controls, *Carbon Monoxide (CO) Detection and Control Systems for Parking Structures, Guidelines for the Design Engineer*, http://inteccontrols.com/whitepapers/CO_Parking_Garage_Design_Guidelines.pdf, accessed October 31, 2019.

**Table 5
Health Risk at Project Site**

Exposure Scenario	Maximum Cancer Risk (Risk per Million) ^{1,2}	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
70-Year Exposure	8.28	10	No
30-Year Exposure	6.98	10	No
9-Year Exposure	4.85	10	No
Worker Exposure (25-Year)	0.49	10	No
Notes: 1. Refer to <i>Appendix A, Dispersion Modeling Data</i> . 2. The maximum cancer risk would be experienced at UTM NAD83 Zone 10S coordinate location 595956.51, 4131292.54 (Latitude: 37.323336° , Longitude: -121.916967°) along the northeastern tip of the project site.			

Non-Carcinogenic Hazard

The significance thresholds for Toxic Air Contaminants (TAC) exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the Reference Exposure Level (REL) for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts.

An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the REL. The highest maximum chronic and acute hazard index associated with emissions generated by project implementation would be 0.024 and 0.014, respectively; refer to Appendix A. Therefore, non-carcinogenic hazards are calculated to be within acceptable limits (less than 1.0) and a less than significant impact would occur.

Mitigation Measures: No mitigation is required.

AQ-4 Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less Than Significant Impact. According to the BAAQMD, land uses associated with odor complaints typically include wastewater treatment plants, landfills, confined animal facilities, composting stations, food manufacturing plants, refineries, and chemical plants. The project does not include any uses identified by the BAAQMD as being associated with odors.

Construction activities associated with the project may generate detectable odors from heavy-duty equipment exhaust. Construction-related odors would be short-term in nature and cease upon project completion. Any odor impacts to existing adjacent land uses would be short-term and not substantial. As such, the project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people. Impacts would be less than significant in this regard.

Mitigation Measures: No mitigation is required.

GREENHOUSE GAS EMISSIONS IMPACT ANALYSIS

GHG-1 Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

PROJECT-RELATED SOURCES OF GREENHOUSE GASES

Project-related GHG emissions would include emissions from direct and indirect sources. Direct project-related GHG emissions include emissions from construction activities, area sources, and mobile sources, while indirect sources include emissions from electricity consumption, water demand, and solid waste generation. Operational GHG estimations are based on energy emissions from natural gas usage and automobile emissions. CalEEMod and EMFAC 2017 was utilized to calculate the project's construction and operational GHG emissions. CalEEMod relies upon trip data within the Transportation Analysis and project specific land use data to calculate emissions. Further, as Pacific Gas & Electric (PG&E) supplies electricity to the project site, PG&E's CO₂ emission factor was adjusted in CalEEMod to reflect the most current PG&E RPS portfolio. Table 6, *Estimated Greenhouse Gas Emissions*, presents the annual estimated MTCO_{2e} emissions of the proposed project compared to the existing use (i.e. sales office and mechanic shop), as well as the net change in GHG emissions. CalEEMod outputs are contained within Appendix A.

Table 6
Estimated Greenhouse Gas Emissions

Source	Existing Emissions (MTCO _{2e}) ^{1,2,3,4,5}	Project-Generated Emissions (MTCO _{2e}) ^{1,2,3,4,5}	Net Change (MTCO _{2e}) ^{1,2,3,4,5}
Amortized Construction	-	29.50	29.50
Area Source	0.00	0.00	0.00
Mobile Source	20.35	513.48	493.14
Energy ⁵	8.49	125.92	117.43
Solid Waste	2.10	16.46	14.36
Water Demand	0.75	5.26	4.51
Total Emissions	31.69	690.63	658.93
Significance Threshold			660
<i>Exceeds Threshold?</i>			<i>No</i>
Notes:			
1. Emissions were calculated using CalEEMod version 2016.3.2 and EMFAC2017, as recommended by the BAAQMD and CARB.			
2. Carbon dioxide equivalent values calculated using the U.S. EPA Website, <i>Greenhouse Gas Equivalencies Calculator</i> , https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator , accessed April 2020.			
3. Pacific Gas & Electric (PG&E) CO ₂ emission factor from The Climate Registry, https://www.theclimateregistry.org/our-members/cris-public-reports/ , accessed April 2020.			
4. Existing Emissions represents operational emissions associated with the existing sales office and mechanic shop.			
5. Totals may be slightly off due to rounding.			
Refer to <u>Appendix A, Air Quality/Greenhouse Gas Emissions Data</u> , for detailed model input/output data.			

As previously discussed, the 660 MTCO_{2e} per year significance threshold was calculated for 2030 based on the GHG reduction goals of SB 32 and Executive Order B-30-15. As shown in Table 6, the proposed project would result in a net change of approximately of 658.93 MTCO_{2e} per year which is below the 660 MTCO_{2e} per year threshold. Therefore, impacts in this regard would be less than significant and no mitigation measures would be required.

Mitigation Measures: No mitigation is required.

GHG-2 Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

CONSISTENCY WITH APPLICABLE GHG PLANS, POLICIES, OR REGULATIONS

County of Santa Clara Climate Action Plan for Operations and Facilities

The project site is located within the jurisdiction of the CAP. The CAP contains specific goals, actions, and implementation measures to administer the County's greenhouse gas reduction goals past 2015. The greenhouse gas goals in the CAP were to decrease emissions by 10 percent every 5 years from 2010 – 2050, and reach an 80 percent reduction by 2050. The CAP is being issued in the context of legislative and regulatory action at the federal and state level. California's climate change goals are set forth in AB 32, the Global Warming Solutions Act of 2006. This legislation requires a reduction of California GHG emissions to 1990 levels by 2020. Executive Order S-03-05 goes even further by requiring statewide reductions in GHG emissions to 80 percent below 1990 by the year 2050. The 2017 Scoping Plan, which provides a roadmap for California to reduce its greenhouse gas emissions, recognizes the importance of development and implementation of Climate Action Plans by California cities and counties. The CAP calls for sustainable actions to reduce GHGs including energy and water consumption, as well as solid waste and fuel consumption.

The proposed project would implement sustainable design features (i.e. energy efficient lighting and water efficient irrigation systems) in compliance with 2019 Title 24 energy efficiency standards. The project would also be required to comply with CALGreen which would incorporate water reducing features and fixtures into the proposed hotel building. Therefore, the proposed project would include sustainable features that would comply with the County's goals, policies, and actions in reducing GHG emissions. Further, the project is consistent with the City's designation for the site under the General Plan and would result in GHG emissions below the significance threshold; refer to [Table 6](#). Thus, the projected GHG emissions in the CAP for the project site would not exceed expectations.

City of San José Greenhouse Gas Reduction Strategy

The City of San José adopted a Greenhouse Gas Reduction Strategy on December 2015, to be consistent with the implementation requirements of AB 32. The Greenhouse Gas Reduction Strategy seeks to reduce GHG emissions within the City through a number of sustainable actions, including minimizing car travel, building site locations that optimize solar installation potential either for heating water or for electricity generation, planting trees to help mitigate heat island effects, and providing access to safe, pedestrian friendly sidewalks, trails and bike paths, as well as mass transit. This GHG Reduction Strategy was prepared in accordance with the BAAQMD CEQA Guidelines, and in conformance with CEQA Guidelines Section 15183.5, which specifically addresses GHG Reduction Plans. As noted above, the project would not exceed the significance threshold for GHG emissions during construction or operation. In addition, the project would comply with 2019 Title 24 energy efficiency standards and CALGreen, and would not develop a land use not already anticipated for in the City's General Plan that would introduce new significant sources of GHG emissions. Therefore, the project would not conflict with the City's Greenhouse Gas Reduction Strategy.

Climate Smart San José

The goal of the Climate Smart Plan is to transform San José into a climate smart city that is substantially decarbonized and meeting requirements of Californian climate change laws. The Climate Smart Plan also

focuses on an aggressive set of short-, medium- and long-term goals to meet the Paris Agreement-aligned targets. Among the plan’s most notable goals:

- By 2021, San José will make 100 percent emission-free electricity available to all San José Clean Energy users.
- By 2030, San José will reduce carbon emissions from vehicular trips by 1 million tons/year by facilitating the expansion of ridesharing, electric vehicles, and public transit in the city.
- By 2040, San José will become the first city in the world to produce 1 gigawatt of solar power (which is enough to power the equivalent of 250,000 homes).

Table 7, *Project Consistency with the Climate Smart Plan*, provides an evaluation of the project’s consistency with applicable Climate Smart Plan strategies. As shown in Table 7, the project would be consistent with the applicable strategies of Climate Smart Plan.

Table 7
Project Consistency with the Climate Smart Plan

Strategies	Project Consistency Analysis
Pillar 1: A Sustainable & Climate Smart City	
1.1: Transitioning to a renewable energy future provides clean electricity that supplies the entire city.	No Conflict. The project would utilize energy from Pacific Gas & Electric (PG&E). PG&E would be required to meet the California Renewables Portfolio Standard, Senate Bill 350 (SB 350), and Senate Bill 100 (SB 100). The California Renewables Portfolio increases the proportion of electricity from renewable sources to 33 percent renewable power by 2020. SB 350 requires 50 percent by 2030. SB 100 requires 44 percent by 2024, 52 percent by 2027, and 60 percent by 2030. As of 2019, over 85 percent of the electricity PG&E delivers is a combination of renewable and greenhouse gas-free resources. ¹
1.2: Embracing our Californian climate means creating an urban landscape, in our homes and public places, that is not just low water use, but attractive and enjoyable.	Consistent. The proposed project would comply with CALGreen and 2019 Title 24 energy efficiency standards which include water efficient irrigation systems, as well as water reducing features and plumbing fixtures.
Pillar 2: A Vibrant City of Connected & Focused Growth	
2.1: Densifying our city in focused growth areas increases walkability and cycling and also makes our neighborhoods more vibrant, distinctive, and enjoyable.	Consistent. One of the focal points of Strategy 2.1 is Transit-Oriented Development. The project would support Strategy 2.1 by being located within walking distance (i.e. 0.25-mile) of multiple bus stops.
2.3: New technology can enable clean, electric, and personalized mobility choices that make it convenient to move between any two points in the city.	Consistent. The project would provide bicycle parking spaces and EV charging spaces in compliance with 2019 Title 24 energy efficiency standards and CALGreen.
2.4: Developing integrated, accessible public and active transport infrastructure reduces the dependency on the car to move within the city.	Consistent. Refer to Strategy 2.1 discussion above.
Pillar 3: An Economically Inclusive City of Opportunity	
3.1: Creating local jobs in our city makes it possible for our residents to work close to where they live, saving time, money, and gas spent commuting.	Consistent. The project would provide employment opportunities in close proximity to residential uses.
3.2: Making our commercial buildings high-performance and siting them close to transit lowers water and energy use.	Consistent. Refer to Strategy 2.1 and Strategy 1.2 discussions above.
Notes:	
1. Pacific Gas & Electric, <i>Delivering Low-Emission Energy</i> , https://www.pge.com/en_US/about-pge/environment/what-we-are-doing/clean-energy-solutions/clean-energy-solutions.page , accessed November 7, 2019.	
Source: City of San José, <i>Climate Smart San Jose</i> , adopted February 27, 2018.	

Conclusion

In summary, the plan consistency analysis provided above demonstrates that the project complies with the plans, policies, regulations, and GHG reduction actions/strategies outlined in the CAP, Greenhouse Gas Reduction Strategy, and Climate Smart Plan. Therefore, the project would not conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing emissions of GHGs. Thus, project-specific impacts with regard to climate change would be less than significant.

Mitigation Measures: No mitigation is required.

REFERENCES

Documents

1. Association of Environmental Professionals, *Beyond 2020 and Newhall: A Field Guide to New CEQA Greenhouse Gas Thresholds and Climate Action Plan Targets for California*, 2016.
2. Bay Area Air Quality Management District, 2017 CEQA Guidelines, 2017.
3. Bay Area Air Quality Management District, Final 2017 Clean Air Plan, April 19, 2017.
4. California Air Resources Board, *ADAM Air Quality Data Statistics*, <http://www.arb.ca.gov/adam/>, accessed October 1, 2019.
5. California Air Resources Board, *California's 2017 Climate Change Scoping Plan*, November 2017.
6. California Air Resources Board, *AQMIS2: Air Quality Data*, <https://www.arb.ca.gov/aqmis2/aqdselect.php>, accessed October 1, 2019.
7. California Building Standards Commission, *2019 California Green Building Standards Code*, <https://codes.iccsafe.org/content/chapter/15761/>, accessed November 6, 2019.
8. California Energy Commission, *2019 Building Energy Efficiency Standards*, https://www.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf, accessed November 6, 2019.
9. California Energy Commission, *California Greenhouse Gas Emissions for 2000 to 2017*, https://www.arb.ca.gov/cc/inventory/pubs/reports/2000_2016/ghg_inventory_trends_00-16.pdf, accessed November 6, 2019.
10. California Energy Commission, *2019 Building Energy Efficiency Standards Fact Sheet*, March 2018.
11. City of San José, *Climate Smart San Jose*, adopted February 27, 2018.
12. City of San José, *Greenhouse Gas Reduction Strategy*, Updated December 2015.
13. County of Santa Clara, *Climate Action Plan*, September 2009.
14. INTEC Controls, *Carbon Monoxide (CO) Detection and Control Systems for Parking Structures, Guidelines for the Design Engineer*, http://inteccontrols.com/whitepapers/CO_Parking_Garage_Design_Guidelines.pdf, accessed October 31, 2019.
15. Michael Baker International, *Hyatt Place Hotel Local Transportation Analysis*, dated September 24, 2019
16. National Oceanic and Atmospheric Administration, *Carbon Dioxide Levels in Atmosphere Hit Record High in May*, <https://www.noaa.gov/news/carbon-dioxide-levels-in-atmosphere-hit->

record-high-in-may, accessed November 7, 2019.

17. San Joaquin Valley Air Pollution Control District, *Application for Leave to File Brief of Amicus Curiae Brief of San Joaquin Valley Unified Air Pollution Control District in Support of Defendant and Respondent, County of Fresno and Real Party In Interest and Respondent, Friant Ranch, L.P. In the Supreme Court of California. Sierra Club, Revive the San Joaquin, and League of Women Voters of Fresno v. County of Fresno*, 2014.
18. South Coast Air Quality Management District, *Application of the South Coast Air Quality Management District for Leave to File Brief of Amicus Curiae in Support of Neither Party and Brief of Amicus Curiae. In the Supreme Court of California. Sierra Club, Revive the San Joaquin, and League of Women Voters of Fresno v. County of Fresno*, 2014.

Websites / Programs

1. EPA Website, Greenhouse Gas Equivalencies Calculator, <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>.
2. Google Earth, 2019.
3. South Coast Air Quality Management District, California Emissions Estimator Model (CalEEMod), version 2016.3.2.

Appendix A
Air Quality/Greenhouse Gas Emissions Data

Hyatt Hotel Project - Santa Clara County, Winter

Hyatt Hotel Project
Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	60.00	Space	0.54	8,578.00	0
Parking Lot	3.00	Space	0.03	2,828.00	0
Hotel	105.00	Room	3.50	50,736.00	0
Recreational Swimming Pool	1.40	1000sqft	0.03	1,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206.29	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Hyatt Hotel Project - Santa Clara County, Winter

Project Characteristics - Total CO2 emission factor from The Climate Registry. Available at: <https://www.theclimateregistry.org/our-members/cris-public-reports/>. Accessed: April 2020.

Land Use - Source: Shad Design Group, A Planning Application For: Hyatt Place, dated April 15, 2019.

Construction Phase - Per construction questionnaire

Off-road Equipment -

Off-road Equipment - Per construction questionnaire.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading -

Vehicle Trips - Per Hyatt Place Hotel Local Transportation Analysis dated September 24, 2019.

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Construction Off-road Equipment Mitigation - Per BAAQMD standards and regulations.

Area Mitigation - Per BAAQMD Regulation 8, Rule 3 (Architectural Coatings) and Regulation 6, Rule 3 (Wood-Burning Devices).

Energy Mitigation - % Improvement based on efficiency of 2019 Title 24 Standards compared to 2016 Title 24 Standards.

Waste Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

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tblConstructionPhase	NumDays	8.00	44.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	NumDays	230.00	528.00
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tblLandUse	LandUseSquareFeet	1,200.00	2,828.00
tblLandUse	LandUseSquareFeet	152,460.00	50,736.00
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0300e-004	1.0000e-006
tblVehicleEF	HHD	0.02	3.3440e-003

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tblVehicleEF	LDA	0.01	0.02
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tblVehicleEF	LDT1	2.1990e-003	1.7830e-003
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Hyatt Hotel Project - Santa Clara County, Winter

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tblVehicleEF	LDT1	0.27	0.21
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tblVehicleEF	LDT1	0.04	0.03
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tblVehicleEF	LDT1	3.1640e-003	2.4520e-003
tblVehicleEF	LDT1	2.1990e-003	1.7830e-003

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tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.6320e-003	1.4840e-003
tblVehicleEF	LDT2	2.2340e-003	1.8240e-003
tblVehicleEF	LDT2	1.5010e-003	1.3660e-003
tblVehicleEF	LDT2	2.0540e-003	1.6770e-003

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tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	3.5790e-003	3.2280e-003
tblVehicleEF	LDT2	8.5600e-004	6.9200e-004
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	6.5840e-003	3.9540e-003
tblVehicleEF	LDT2	6.7950e-003	0.06
tblVehicleEF	LDT2	0.91	0.95
tblVehicleEF	LDT2	1.36	2.25
tblVehicleEF	LDT2	384.48	346.01
tblVehicleEF	LDT2	82.63	68.72
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.13	0.26
tblVehicleEF	LDT2	1.6320e-003	1.4810e-003
tblVehicleEF	LDT2	1.6320e-003	1.4840e-003
tblVehicleEF	LDT2	2.2340e-003	1.8240e-003
tblVehicleEF	LDT2	1.5010e-003	1.3660e-003
tblVehicleEF	LDT2	2.0540e-003	1.6770e-003

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tblVehicleEF	LDT2	0.10	0.14
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.40
tblVehicleEF	LDT2	0.09	0.28
tblVehicleEF	LDT2	3.8520e-003	3.4230e-003
tblVehicleEF	LDT2	8.4900e-004	6.8000e-004
tblVehicleEF	LDT2	0.10	0.14
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.40
tblVehicleEF	LDT2	0.10	0.30
tblVehicleEF	LDT2	5.7750e-003	3.3890e-003
tblVehicleEF	LDT2	9.2910e-003	0.08
tblVehicleEF	LDT2	0.76	0.80
tblVehicleEF	LDT2	2.02	3.41
tblVehicleEF	LDT2	352.80	323.94
tblVehicleEF	LDT2	82.63	70.90
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.15	0.32
tblVehicleEF	LDT2	1.6320e-003	1.4840e-003
tblVehicleEF	LDT2	2.2340e-003	1.8240e-003
tblVehicleEF	LDT2	1.5010e-003	1.3660e-003
tblVehicleEF	LDT2	2.0540e-003	1.6770e-003
tblVehicleEF	LDT2	0.02	0.03

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tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.09	0.52
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.5340e-003	3.2050e-003
tblVehicleEF	LDT2	8.6100e-004	7.0200e-004
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.52
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.9570e-003	5.2220e-003
tblVehicleEF	LHD1	0.02	9.6590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.20	0.88
tblVehicleEF	LHD1	2.95	1.10
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	704.65	806.69
tblVehicleEF	LHD1	33.88	11.78
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.31	0.97
tblVehicleEF	LHD1	1.09	0.33
tblVehicleEF	LHD1	8.6000e-004	8.5200e-004
tblVehicleEF	LHD1	9.9630e-003	9.7670e-003

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tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0630e-003	2.6300e-004
tblVehicleEF	LHD1	8.2300e-004	8.1600e-004
tblVehicleEF	LHD1	2.4910e-003	2.4420e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7800e-004	2.4100e-004
tblVehicleEF	LHD1	2.8190e-003	1.9060e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4030e-003	1.0290e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.9280e-003	7.8750e-003
tblVehicleEF	LHD1	3.9500e-004	1.1700e-004
tblVehicleEF	LHD1	2.8190e-003	1.9060e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.4030e-003	1.0290e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.33	0.09
tblVehicleEF	LHD1	5.9570e-003	5.2380e-003
tblVehicleEF	LHD1	0.02	9.9180e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.15	0.18

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tblVehicleEF	LHD1	1.22	0.90
tblVehicleEF	LHD1	2.73	1.02
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	704.65	806.73
tblVehicleEF	LHD1	33.88	11.63
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.25	0.92
tblVehicleEF	LHD1	1.02	0.31
tblVehicleEF	LHD1	8.6000e-004	8.5200e-004
tblVehicleEF	LHD1	9.9630e-003	9.7670e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0630e-003	2.6300e-004
tblVehicleEF	LHD1	8.2300e-004	8.1600e-004
tblVehicleEF	LHD1	2.4910e-003	2.4420e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7800e-004	2.4100e-004
tblVehicleEF	LHD1	6.3880e-003	4.5700e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9310e-003	2.2230e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.32	0.54
tblVehicleEF	LHD1	0.29	0.07
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.9280e-003	7.8760e-003
tblVehicleEF	LHD1	3.9100e-004	1.1500e-004

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tblVehicleEF	LHD1	6.3880e-003	4.5700e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.9310e-003	2.2230e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.32	0.54
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD1	5.9570e-003	5.2090e-003
tblVehicleEF	LHD1	0.02	9.4660e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.17	0.86
tblVehicleEF	LHD1	3.17	1.18
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	704.65	806.66
tblVehicleEF	LHD1	33.88	11.92
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.34	0.99
tblVehicleEF	LHD1	1.15	0.35
tblVehicleEF	LHD1	8.6000e-004	8.5200e-004
tblVehicleEF	LHD1	9.9630e-003	9.7670e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0630e-003	2.6300e-004
tblVehicleEF	LHD1	8.2300e-004	8.1600e-004
tblVehicleEF	LHD1	2.4910e-003	2.4420e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7800e-004	2.4100e-004

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tblVehicleEF	LHD1	1.4130e-003	8.2000e-004
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.3200e-004	4.7900e-004
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.37	0.62
tblVehicleEF	LHD1	0.32	0.08
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.9270e-003	7.8750e-003
tblVehicleEF	LHD1	3.9900e-004	1.1800e-004
tblVehicleEF	LHD1	1.4130e-003	8.2000e-004
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	7.3200e-004	4.7900e-004
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.37	0.62
tblVehicleEF	LHD1	0.35	0.09
tblVehicleEF	LHD2	3.8320e-003	3.3780e-003
tblVehicleEF	LHD2	9.2950e-003	7.5330e-003
tblVehicleEF	LHD2	8.8580e-003	9.3380e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.37	0.67
tblVehicleEF	LHD2	14.07	14.12
tblVehicleEF	LHD2	720.29	789.89
tblVehicleEF	LHD2	25.14	8.25
tblVehicleEF	LHD2	0.11	0.10

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tblVehicleEF	LHD2	0.95	1.03
tblVehicleEF	LHD2	0.53	0.20
tblVehicleEF	LHD2	1.2990e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.7100e-004	1.3700e-004
tblVehicleEF	LHD2	1.2430e-003	1.3220e-003
tblVehicleEF	LHD2	2.6810e-003	2.6760e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.3300e-004	1.2600e-004
tblVehicleEF	LHD2	9.9400e-004	1.0200e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	5.0900e-004	5.5900e-004
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.3700e-004	1.3500e-004
tblVehicleEF	LHD2	7.0090e-003	7.6320e-003
tblVehicleEF	LHD2	2.7600e-004	8.2000e-005
tblVehicleEF	LHD2	9.9400e-004	1.0200e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.0900e-004	5.5900e-004
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.13	0.05

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tblVehicleEF	LHD2	3.8320e-003	3.3880e-003
tblVehicleEF	LHD2	9.4580e-003	7.6330e-003
tblVehicleEF	LHD2	8.3680e-003	8.7850e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.64	0.68
tblVehicleEF	LHD2	1.27	0.62
tblVehicleEF	LHD2	14.07	14.12
tblVehicleEF	LHD2	720.29	789.90
tblVehicleEF	LHD2	25.14	8.16
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	0.91	0.99
tblVehicleEF	LHD2	0.50	0.19
tblVehicleEF	LHD2	1.2990e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.7100e-004	1.3700e-004
tblVehicleEF	LHD2	1.2430e-003	1.3220e-003
tblVehicleEF	LHD2	2.6810e-003	2.6760e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.3300e-004	1.2600e-004
tblVehicleEF	LHD2	2.2540e-003	2.4350e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0660e-003	1.1990e-003
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.09	0.28

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tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3700e-004	1.3500e-004
tblVehicleEF	LHD2	7.0090e-003	7.6330e-003
tblVehicleEF	LHD2	2.7500e-004	8.1000e-005
tblVehicleEF	LHD2	2.2540e-003	2.4350e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0660e-003	1.1990e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.09	0.28
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	3.8320e-003	3.3700e-003
tblVehicleEF	LHD2	9.1660e-003	7.4570e-003
tblVehicleEF	LHD2	9.2820e-003	9.7890e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.47	0.72
tblVehicleEF	LHD2	14.07	14.12
tblVehicleEF	LHD2	720.29	789.88
tblVehicleEF	LHD2	25.14	8.33
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	0.97	1.05
tblVehicleEF	LHD2	0.56	0.21
tblVehicleEF	LHD2	1.2990e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.7100e-004	1.3700e-004

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tblVehicleEF	LHD2	1.2430e-003	1.3220e-003
tblVehicleEF	LHD2	2.6810e-003	2.6760e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.3300e-004	1.2600e-004
tblVehicleEF	LHD2	5.0200e-004	4.5600e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3700e-004	1.3500e-004
tblVehicleEF	LHD2	7.0090e-003	7.6320e-003
tblVehicleEF	LHD2	2.7800e-004	8.2000e-005
tblVehicleEF	LHD2	5.0200e-004	4.5600e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.16	0.26
tblVehicleEF	MCY	19.41	20.29
tblVehicleEF	MCY	10.14	9.06
tblVehicleEF	MCY	168.73	214.75
tblVehicleEF	MCY	45.97	62.08
tblVehicleEF	MCY	1.15	1.17
tblVehicleEF	MCY	0.32	0.27

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tblVehicleEF	MCY	1.9370e-003	2.0260e-003
tblVehicleEF	MCY	3.9880e-003	3.3190e-003
tblVehicleEF	MCY	1.8140e-003	1.8960e-003
tblVehicleEF	MCY	3.7640e-003	3.1300e-003
tblVehicleEF	MCY	0.91	0.83
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	0.50	0.49
tblVehicleEF	MCY	2.24	2.34
tblVehicleEF	MCY	0.63	2.24
tblVehicleEF	MCY	2.23	2.00
tblVehicleEF	MCY	2.0700e-003	2.1250e-003
tblVehicleEF	MCY	6.9100e-004	6.1400e-004
tblVehicleEF	MCY	0.91	0.83
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	0.50	0.49
tblVehicleEF	MCY	2.77	2.89
tblVehicleEF	MCY	0.63	2.24
tblVehicleEF	MCY	2.43	2.18
tblVehicleEF	MCY	0.43	0.33
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	18.69	19.28
tblVehicleEF	MCY	8.94	7.83
tblVehicleEF	MCY	168.73	212.79
tblVehicleEF	MCY	45.97	58.92
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.9370e-003	2.0260e-003

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tblVehicleEF	MCY	1.9370e-003	2.0260e-003
tblVehicleEF	MCY	3.9880e-003	3.3190e-003
tblVehicleEF	MCY	1.8140e-003	1.8960e-003
tblVehicleEF	MCY	3.7640e-003	3.1300e-003
tblVehicleEF	MCY	2.35	2.31
tblVehicleEF	MCY	0.95	0.97
tblVehicleEF	MCY	1.36	1.38
tblVehicleEF	MCY	2.16	2.24
tblVehicleEF	MCY	0.59	2.09
tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0560e-003	2.1060e-003
tblVehicleEF	MCY	6.6100e-004	5.8300e-004
tblVehicleEF	MCY	2.35	2.31
tblVehicleEF	MCY	0.95	0.97
tblVehicleEF	MCY	1.36	1.38
tblVehicleEF	MCY	2.67	2.77
tblVehicleEF	MCY	0.59	2.09
tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.46	0.35
tblVehicleEF	MCY	0.19	0.30
tblVehicleEF	MCY	20.95	21.99
tblVehicleEF	MCY	11.55	10.38
tblVehicleEF	MCY	168.73	217.81
tblVehicleEF	MCY	45.97	65.29
tblVehicleEF	MCY	1.24	1.25
tblVehicleEF	MCY	0.34	0.29
tblVehicleEF	MCY	1.9370e-003	2.0260e-003

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tblVehicleEF	MCY	3.9880e-003	3.3190e-003
tblVehicleEF	MCY	1.8140e-003	1.8960e-003
tblVehicleEF	MCY	3.7640e-003	3.1300e-003
tblVehicleEF	MCY	0.40	0.27
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	0.19	0.17
tblVehicleEF	MCY	2.34	2.45
tblVehicleEF	MCY	0.75	2.65
tblVehicleEF	MCY	2.59	2.34
tblVehicleEF	MCY	2.0980e-003	2.1550e-003
tblVehicleEF	MCY	7.2500e-004	6.4600e-004
tblVehicleEF	MCY	0.40	0.27
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	0.19	0.17
tblVehicleEF	MCY	2.88	3.01
tblVehicleEF	MCY	0.75	2.65
tblVehicleEF	MCY	2.81	2.54
tblVehicleEF	MDV	0.01	4.3620e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.32	0.91
tblVehicleEF	MDV	3.27	3.35
tblVehicleEF	MDV	473.55	395.94
tblVehicleEF	MDV	107.62	84.33
tblVehicleEF	MDV	0.16	0.09
tblVehicleEF	MDV	0.29	0.36
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	2.5800e-003	2.0150e-003

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tblVehicleEF	MDV	1.7250e-003	1.4980e-003
tblVehicleEF	MDV	2.3740e-003	1.8530e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.25	0.43
tblVehicleEF	MDV	4.7450e-003	3.9140e-003
tblVehicleEF	MDV	1.1340e-003	8.3500e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.28	0.47
tblVehicleEF	MDV	0.01	4.9090e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.52	1.07
tblVehicleEF	MDV	2.59	2.58
tblVehicleEF	MDV	508.67	416.21
tblVehicleEF	MDV	107.62	82.86
tblVehicleEF	MDV	0.15	0.08
tblVehicleEF	MDV	0.26	0.32
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	2.5800e-003	2.0150e-003

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tblVehicleEF	MDV	1.7250e-003	1.4980e-003
tblVehicleEF	MDV	2.3740e-003	1.8530e-003
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.10	0.43
tblVehicleEF	MDV	0.21	0.35
tblVehicleEF	MDV	5.0990e-003	4.1140e-003
tblVehicleEF	MDV	1.1220e-003	8.2000e-004
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.10	0.43
tblVehicleEF	MDV	0.23	0.39
tblVehicleEF	MDV	0.01	4.2210e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.31	0.90
tblVehicleEF	MDV	3.82	3.94
tblVehicleEF	MDV	467.76	393.47
tblVehicleEF	MDV	107.62	85.47
tblVehicleEF	MDV	0.18	0.10
tblVehicleEF	MDV	0.32	0.39
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	2.5800e-003	2.0150e-003
tblVehicleEF	MDV	1.7250e-003	1.4980e-003

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tblVehicleEF	MDV	2.3740e-003	1.8530e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.29	0.49
tblVehicleEF	MDV	4.6870e-003	3.8890e-003
tblVehicleEF	MDV	1.1440e-003	8.4600e-004
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.32	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.90	1.25
tblVehicleEF	MH	6.68	2.21
tblVehicleEF	MH	1,223.22	1,554.10
tblVehicleEF	MH	59.88	18.96
tblVehicleEF	MH	1.49	1.46
tblVehicleEF	MH	0.92	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.2930e-003	2.7900e-004
tblVehicleEF	MH	3.2150e-003	3.2750e-003

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tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.1890e-003	2.5700e-004
tblVehicleEF	MH	0.98	0.68
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.33	0.25
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.47
tblVehicleEF	MH	0.38	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.1500e-004	1.8800e-004
tblVehicleEF	MH	0.98	0.68
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.33	0.25
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.02	1.47
tblVehicleEF	MH	0.42	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.03	1.30
tblVehicleEF	MH	6.05	2.00
tblVehicleEF	MH	1,223.22	1,554.19
tblVehicleEF	MH	59.88	18.61
tblVehicleEF	MH	1.40	1.38
tblVehicleEF	MH	0.86	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.03	0.03

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tblVehicleEF	MH	1.2930e-003	2.7900e-004
tblVehicleEF	MH	3.2150e-003	3.2750e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.1890e-003	2.5700e-004
tblVehicleEF	MH	2.22	1.63
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.71	0.55
tblVehicleEF	MH	0.13	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.36	0.09
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.0400e-004	1.8400e-004
tblVehicleEF	MH	2.22	1.63
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.71	0.55
tblVehicleEF	MH	0.18	0.10
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.39	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.80	1.21
tblVehicleEF	MH	7.29	2.39
tblVehicleEF	MH	1,223.22	1,554.04
tblVehicleEF	MH	59.88	19.26
tblVehicleEF	MH	1.54	1.50
tblVehicleEF	MH	0.97	0.26
tblVehicleEF	MH	0.01	0.01

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tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.2930e-003	2.7900e-004
tblVehicleEF	MH	3.2150e-003	3.2750e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.1890e-003	2.5700e-004
tblVehicleEF	MH	0.48	0.28
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2600e-004	1.9100e-004
tblVehicleEF	MH	0.48	0.28
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.45	0.12
tblVehicleEF	MHD	0.02	3.2640e-003
tblVehicleEF	MHD	6.6980e-003	5.3690e-003
tblVehicleEF	MHD	0.06	8.9190e-003
tblVehicleEF	MHD	0.40	0.38
tblVehicleEF	MHD	0.47	0.46
tblVehicleEF	MHD	7.25	1.08
tblVehicleEF	MHD	136.73	80.49
tblVehicleEF	MHD	1,206.00	1,117.54

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tblVehicleEF	MHD	62.24	8.63
tblVehicleEF	MHD	0.58	0.60
tblVehicleEF	MHD	1.63	2.01
tblVehicleEF	MHD	10.30	1.41
tblVehicleEF	MHD	8.2700e-004	1.2650e-003
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	9.9100e-004	1.0800e-004
tblVehicleEF	MHD	7.9100e-004	1.2110e-003
tblVehicleEF	MHD	6.8990e-003	0.03
tblVehicleEF	MHD	9.1100e-004	9.9000e-005
tblVehicleEF	MHD	1.0740e-003	3.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.3000e-004	2.0800e-004
tblVehicleEF	MHD	0.06	0.09
tblVehicleEF	MHD	0.03	0.11
tblVehicleEF	MHD	0.43	0.05
tblVehicleEF	MHD	1.3170e-003	7.6300e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4900e-004	8.5000e-005
tblVehicleEF	MHD	1.0740e-003	3.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	5.3000e-004	2.0800e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.03	0.11
tblVehicleEF	MHD	0.47	0.05

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tblVehicleEF	MHD	0.02	3.0750e-003
tblVehicleEF	MHD	6.8520e-003	5.4360e-003
tblVehicleEF	MHD	0.05	8.3590e-003
tblVehicleEF	MHD	0.28	0.31
tblVehicleEF	MHD	0.48	0.47
tblVehicleEF	MHD	6.66	0.99
tblVehicleEF	MHD	144.99	81.39
tblVehicleEF	MHD	1,206.00	1,117.55
tblVehicleEF	MHD	62.24	8.47
tblVehicleEF	MHD	0.59	0.60
tblVehicleEF	MHD	1.56	1.93
tblVehicleEF	MHD	10.24	1.41
tblVehicleEF	MHD	6.9700e-004	1.0700e-003
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	9.9100e-004	1.0800e-004
tblVehicleEF	MHD	6.6700e-004	1.0240e-003
tblVehicleEF	MHD	6.8990e-003	0.03
tblVehicleEF	MHD	9.1100e-004	9.9000e-005
tblVehicleEF	MHD	2.5110e-003	9.3000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1770e-003	4.6800e-004
tblVehicleEF	MHD	0.06	0.09
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.3950e-003	7.7200e-004

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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3900e-004	8.4000e-005
tblVehicleEF	MHD	2.5110e-003	9.3000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1770e-003	4.6800e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.4530e-003
tblVehicleEF	MHD	6.5800e-003	5.3210e-003
tblVehicleEF	MHD	0.06	9.3510e-003
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	0.46	0.46
tblVehicleEF	MHD	7.79	1.16
tblVehicleEF	MHD	125.70	79.37
tblVehicleEF	MHD	1,206.00	1,117.53
tblVehicleEF	MHD	62.24	8.77
tblVehicleEF	MHD	0.55	0.60
tblVehicleEF	MHD	1.66	2.05
tblVehicleEF	MHD	10.36	1.42
tblVehicleEF	MHD	1.0060e-003	1.5350e-003
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	9.9100e-004	1.0800e-004
tblVehicleEF	MHD	9.6300e-004	1.4690e-003
tblVehicleEF	MHD	6.8990e-003	0.03
tblVehicleEF	MHD	9.1100e-004	9.9000e-005

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tblVehicleEF	MHD	5.2400e-004	1.6600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	2.6600e-004	9.4000e-005
tblVehicleEF	MHD	0.06	0.09
tblVehicleEF	MHD	0.03	0.13
tblVehicleEF	MHD	0.45	0.05
tblVehicleEF	MHD	1.2130e-003	7.5200e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.5800e-004	8.7000e-005
tblVehicleEF	MHD	5.2400e-004	1.6600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	2.6600e-004	9.4000e-005
tblVehicleEF	MHD	0.07	0.10
tblVehicleEF	MHD	0.03	0.13
tblVehicleEF	MHD	0.50	0.06
tblVehicleEF	OBUS	0.01	7.7420e-003
tblVehicleEF	OBUS	9.3020e-003	7.5640e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.58
tblVehicleEF	OBUS	0.58	0.76
tblVehicleEF	OBUS	5.50	2.17
tblVehicleEF	OBUS	110.36	97.18
tblVehicleEF	OBUS	1,314.27	1,420.90
tblVehicleEF	OBUS	67.24	17.13
tblVehicleEF	OBUS	0.58	0.48

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tblVehicleEF	OBUS	1.90	1.77
tblVehicleEF	OBUS	2.86	0.90
tblVehicleEF	OBUS	2.0100e-004	7.9000e-004
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	7.5500e-004	1.6000e-004
tblVehicleEF	OBUS	1.9200e-004	7.5500e-004
tblVehicleEF	OBUS	8.5580e-003	0.02
tblVehicleEF	OBUS	6.9400e-004	1.4700e-004
tblVehicleEF	OBUS	1.1920e-003	1.1980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	5.1400e-004	5.5800e-004
tblVehicleEF	OBUS	0.08	0.07
tblVehicleEF	OBUS	0.03	0.21
tblVehicleEF	OBUS	0.35	0.10
tblVehicleEF	OBUS	1.0650e-003	9.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.7000e-004
tblVehicleEF	OBUS	1.1920e-003	1.1980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	5.1400e-004	5.5800e-004
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.03	0.21
tblVehicleEF	OBUS	0.38	0.11
tblVehicleEF	OBUS	0.01	7.8070e-003
tblVehicleEF	OBUS	9.5280e-003	7.7730e-003

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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.60	0.78
tblVehicleEF	OBUS	5.02	1.97
tblVehicleEF	OBUS	115.93	97.00
tblVehicleEF	OBUS	1,314.27	1,420.94
tblVehicleEF	OBUS	67.24	16.79
tblVehicleEF	OBUS	0.60	0.47
tblVehicleEF	OBUS	1.82	1.68
tblVehicleEF	OBUS	2.80	0.88
tblVehicleEF	OBUS	1.6900e-004	6.7100e-004
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	7.5500e-004	1.6000e-004
tblVehicleEF	OBUS	1.6200e-004	6.4200e-004
tblVehicleEF	OBUS	8.5580e-003	0.02
tblVehicleEF	OBUS	6.9400e-004	1.4700e-004
tblVehicleEF	OBUS	2.6670e-003	2.7590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.0870e-003	1.1870e-003
tblVehicleEF	OBUS	0.08	0.07
tblVehicleEF	OBUS	0.03	0.20
tblVehicleEF	OBUS	0.32	0.10
tblVehicleEF	OBUS	1.1180e-003	9.2200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6100e-004	1.6600e-004

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tblVehicleEF	OBUS	2.6670e-003	2.7590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0870e-003	1.1870e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.03	0.20
tblVehicleEF	OBUS	0.35	0.10
tblVehicleEF	OBUS	0.01	7.6670e-003
tblVehicleEF	OBUS	9.1270e-003	7.4140e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.60
tblVehicleEF	OBUS	0.57	0.75
tblVehicleEF	OBUS	5.94	2.33
tblVehicleEF	OBUS	102.66	97.42
tblVehicleEF	OBUS	1,314.27	1,420.88
tblVehicleEF	OBUS	67.24	17.41
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	1.94	1.80
tblVehicleEF	OBUS	2.92	0.91
tblVehicleEF	OBUS	2.4400e-004	9.5300e-004
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	7.5500e-004	1.6000e-004
tblVehicleEF	OBUS	2.3400e-004	9.1200e-004
tblVehicleEF	OBUS	8.5580e-003	0.02
tblVehicleEF	OBUS	6.9400e-004	1.4700e-004
tblVehicleEF	OBUS	6.3700e-004	6.0000e-004
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.9000e-004	2.7000e-004
tblVehicleEF	OBUS	0.07	0.07
tblVehicleEF	OBUS	0.03	0.23
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	9.9100e-004	9.2600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7600e-004	1.7200e-004
tblVehicleEF	OBUS	6.3700e-004	6.0000e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	2.9000e-004	2.7000e-004
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.03	0.23
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.02	5.6540e-003
tblVehicleEF	SBUS	0.09	3.8850e-003
tblVehicleEF	SBUS	8.04	1.93
tblVehicleEF	SBUS	1.25	0.46
tblVehicleEF	SBUS	10.59	0.58
tblVehicleEF	SBUS	1,134.67	338.21
tblVehicleEF	SBUS	1,066.60	1,050.81
tblVehicleEF	SBUS	54.09	3.26
tblVehicleEF	SBUS	9.77	3.26
tblVehicleEF	SBUS	4.41	4.47
tblVehicleEF	SBUS	12.56	0.95

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tblVehicleEF	SBUS	0.01	3.3880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6500e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.2410e-003
tblVehicleEF	SBUS	2.6420e-003	2.7590e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.9500e-004	3.8000e-005
tblVehicleEF	SBUS	3.7040e-003	3.4700e-004
tblVehicleEF	SBUS	0.04	3.5450e-003
tblVehicleEF	SBUS	0.97	0.20
tblVehicleEF	SBUS	1.4870e-003	1.4800e-004
tblVehicleEF	SBUS	0.13	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.53	0.02
tblVehicleEF	SBUS	0.01	3.2150e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	3.2000e-005
tblVehicleEF	SBUS	3.7040e-003	3.4700e-004
tblVehicleEF	SBUS	0.04	3.5450e-003
tblVehicleEF	SBUS	1.39	0.29
tblVehicleEF	SBUS	1.4870e-003	1.4800e-004
tblVehicleEF	SBUS	0.16	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.58	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.02	5.7440e-003

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tblVehicleEF	SBUS	0.08	3.2670e-003
tblVehicleEF	SBUS	7.91	1.89
tblVehicleEF	SBUS	1.28	0.47
tblVehicleEF	SBUS	7.78	0.43
tblVehicleEF	SBUS	1,186.23	346.29
tblVehicleEF	SBUS	1,066.60	1,050.83
tblVehicleEF	SBUS	54.09	3.00
tblVehicleEF	SBUS	10.08	3.32
tblVehicleEF	SBUS	4.22	4.29
tblVehicleEF	SBUS	12.50	0.95
tblVehicleEF	SBUS	8.8720e-003	2.8640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6500e-004	4.1000e-005
tblVehicleEF	SBUS	8.4880e-003	2.7400e-003
tblVehicleEF	SBUS	2.6420e-003	2.7590e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.9500e-004	3.8000e-005
tblVehicleEF	SBUS	8.3470e-003	7.9700e-004
tblVehicleEF	SBUS	0.04	3.7310e-003
tblVehicleEF	SBUS	0.96	0.20
tblVehicleEF	SBUS	3.1820e-003	3.2900e-004
tblVehicleEF	SBUS	0.13	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003

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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	3.0000e-005
tblVehicleEF	SBUS	8.3470e-003	7.9700e-004
tblVehicleEF	SBUS	0.04	3.7310e-003
tblVehicleEF	SBUS	1.39	0.29
tblVehicleEF	SBUS	3.1820e-003	3.2900e-004
tblVehicleEF	SBUS	0.16	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.02	5.5880e-003
tblVehicleEF	SBUS	0.10	4.3860e-003
tblVehicleEF	SBUS	8.20	1.98
tblVehicleEF	SBUS	1.22	0.46
tblVehicleEF	SBUS	13.43	0.72
tblVehicleEF	SBUS	1,063.46	327.06
tblVehicleEF	SBUS	1,066.60	1,050.80
tblVehicleEF	SBUS	54.09	3.49
tblVehicleEF	SBUS	9.34	3.17
tblVehicleEF	SBUS	4.50	4.55
tblVehicleEF	SBUS	12.61	0.96
tblVehicleEF	SBUS	0.01	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6500e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9320e-003
tblVehicleEF	SBUS	2.6420e-003	2.7590e-003

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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.9500e-004	3.8000e-005
tblVehicleEF	SBUS	1.9750e-003	1.7400e-004
tblVehicleEF	SBUS	0.04	3.6610e-003
tblVehicleEF	SBUS	0.97	0.20
tblVehicleEF	SBUS	8.4200e-004	7.3000e-005
tblVehicleEF	SBUS	0.12	0.08
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.60	0.02
tblVehicleEF	SBUS	0.01	3.1090e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.7000e-004	3.5000e-005
tblVehicleEF	SBUS	1.9750e-003	1.7400e-004
tblVehicleEF	SBUS	0.04	3.6610e-003
tblVehicleEF	SBUS	1.40	0.29
tblVehicleEF	SBUS	8.4200e-004	7.3000e-005
tblVehicleEF	SBUS	0.15	0.09
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.66	0.03
tblVehicleEF	UBUS	0.28	1.18
tblVehicleEF	UBUS	0.04	6.0740e-003
tblVehicleEF	UBUS	5.43	8.63
tblVehicleEF	UBUS	8.06	0.42
tblVehicleEF	UBUS	2,118.14	1,677.32
tblVehicleEF	UBUS	94.20	4.78
tblVehicleEF	UBUS	11.45	1.27
tblVehicleEF	UBUS	15.24	0.05

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tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	1.0370e-003	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.25	5.3910e-003
tblVehicleEF	UBUS	9.5300e-004	2.5000e-005
tblVehicleEF	UBUS	2.2720e-003	2.6300e-004
tblVehicleEF	UBUS	0.04	3.9700e-003
tblVehicleEF	UBUS	1.0590e-003	1.6700e-004
tblVehicleEF	UBUS	0.72	0.02
tblVehicleEF	UBUS	8.0440e-003	0.03
tblVehicleEF	UBUS	0.55	0.03
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.0850e-003	4.7000e-005
tblVehicleEF	UBUS	2.2720e-003	2.6300e-004
tblVehicleEF	UBUS	0.04	3.9700e-003
tblVehicleEF	UBUS	1.0590e-003	1.6700e-004
tblVehicleEF	UBUS	1.05	1.21
tblVehicleEF	UBUS	8.0440e-003	0.03
tblVehicleEF	UBUS	0.61	0.03
tblVehicleEF	UBUS	0.28	1.18
tblVehicleEF	UBUS	0.04	5.3780e-003
tblVehicleEF	UBUS	5.50	8.63
tblVehicleEF	UBUS	6.40	0.34
tblVehicleEF	UBUS	2,118.14	1,677.32

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tblVehicleEF	UBUS	94.20	4.64
tblVehicleEF	UBUS	10.98	1.26
tblVehicleEF	UBUS	15.18	0.05
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	1.0370e-003	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.25	5.3910e-003
tblVehicleEF	UBUS	9.5300e-004	2.5000e-005
tblVehicleEF	UBUS	5.4590e-003	6.0100e-004
tblVehicleEF	UBUS	0.05	4.3910e-003
tblVehicleEF	UBUS	2.5450e-003	3.5500e-004
tblVehicleEF	UBUS	0.73	0.02
tblVehicleEF	UBUS	7.4030e-003	0.02
tblVehicleEF	UBUS	0.48	0.02
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.0570e-003	4.6000e-005
tblVehicleEF	UBUS	5.4590e-003	6.0100e-004
tblVehicleEF	UBUS	0.05	4.3910e-003
tblVehicleEF	UBUS	2.5450e-003	3.5500e-004
tblVehicleEF	UBUS	1.07	1.21
tblVehicleEF	UBUS	7.4030e-003	0.02
tblVehicleEF	UBUS	0.53	0.03
tblVehicleEF	UBUS	0.27	1.18

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tblVehicleEF	UBUS	0.05	6.6480e-003
tblVehicleEF	UBUS	5.39	8.63
tblVehicleEF	UBUS	9.65	0.50
tblVehicleEF	UBUS	2,118.14	1,677.32
tblVehicleEF	UBUS	94.20	4.90
tblVehicleEF	UBUS	11.63	1.27
tblVehicleEF	UBUS	15.29	0.05
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	1.0370e-003	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.25	5.3910e-003
tblVehicleEF	UBUS	9.5300e-004	2.5000e-005
tblVehicleEF	UBUS	1.1910e-003	1.3200e-004
tblVehicleEF	UBUS	0.05	4.0910e-003
tblVehicleEF	UBUS	5.3700e-004	7.8000e-005
tblVehicleEF	UBUS	0.71	0.02
tblVehicleEF	UBUS	9.8390e-003	0.03
tblVehicleEF	UBUS	0.62	0.03
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.1120e-003	4.9000e-005
tblVehicleEF	UBUS	1.1910e-003	1.3200e-004
tblVehicleEF	UBUS	0.05	4.0910e-003
tblVehicleEF	UBUS	5.3700e-004	7.8000e-005
tblVehicleEF	UBUS	1.04	1.21

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tblVehicleEF	UBUS	9.8390e-003	0.03
tblVehicleEF	UBUS	0.68	0.03
tblVehicleTrips	ST_TR	8.19	7.28
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	5.95	7.28
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	8.17	7.28
tblVehicleTrips	WD_TR	33.82	0.00

2.0 Emissions Summary

Hyatt Hotel Project - Santa Clara County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3718	33.3858	22.1665	0.0463	7.0407	1.6599	8.3338	3.4980	1.5430	4.6884	0.0000	4,637.0376	4,637.0376	1.0627	0.0000	4,662.2916
2021	2.0273	18.5207	17.4967	0.0315	0.2895	0.9623	1.2518	0.0783	0.9047	0.9831	0.0000	3,027.6218	3,027.6218	0.6334	0.0000	3,043.4570
2022	31.7043	18.0602	19.1366	0.0348	0.3306	0.8943	1.2249	0.0892	0.8462	0.9355	0.0000	3,334.7528	3,334.7528	0.6473	0.0000	3,350.9364
Maximum	31.7043	33.3858	22.1665	0.0463	7.0407	1.6599	8.3338	3.4980	1.5430	4.6884	0.0000	4,637.0376	4,637.0376	1.0627	0.0000	4,662.2916

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3718	33.3858	22.1665	0.0463	2.8086	1.6599	4.1017	1.3529	1.5430	2.5432	0.0000	4,637.0376	4,637.0376	1.0627	0.0000	4,662.2916
2021	2.0273	18.5207	17.4967	0.0315	0.2268	0.9623	1.1891	0.0629	0.9047	0.9677	0.0000	3,027.6218	3,027.6218	0.6334	0.0000	3,043.4570
2022	31.7043	18.0602	19.1366	0.0348	0.2586	0.8943	1.1530	0.0716	0.8462	0.9178	0.0000	3,334.7528	3,334.7528	0.6473	0.0000	3,350.9364
Maximum	31.7043	33.3858	22.1665	0.0463	2.8086	1.6599	4.1017	1.3529	1.5430	2.5432	0.0000	4,637.0376	4,637.0376	1.0627	0.0000	4,662.2916

Hyatt Hotel Project - Santa Clara County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	57.00	0.00	40.39	59.42	0.00	32.97	0.00	0.00	0.00	0.00	0.00	0.00

Hyatt Hotel Project - Santa Clara County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	0.0664	0.6038	0.5072	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.6131	724.6131	0.0139	0.0133	728.9191
Mobile	1.7107	2.4393	12.2712	0.0302	3.0649	0.0292	3.0941	0.8169	0.0273	0.8442		3,091.2062	3,091.2062	0.1808		3,095.7269
Total	3.0148	3.0433	12.7958	0.0339	3.0649	0.0751	3.1400	0.8169	0.0733	0.8902		3,815.8564	3,815.8564	0.1948	0.0133	3,824.6855

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	0.0486	0.4421	0.3714	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.5326	530.5326	0.0102	9.7300e-003	533.6853
Mobile	1.7107	2.4393	12.2712	0.0302	3.0649	0.0292	3.0941	0.8169	0.0273	0.8442		3,091.2062	3,091.2062	0.1808		3,095.7269
Total	2.9970	2.8816	12.6599	0.0329	3.0649	0.0628	3.1277	0.8169	0.0610	0.8779		3,621.7758	3,621.7758	0.1911	9.7300e-003	3,629.4517

Hyatt Hotel Project - Santa Clara County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.59	5.31	1.06	2.87	0.00	16.36	0.39	0.00	16.77	1.38	0.00	5.09	5.09	1.91	26.73	5.10

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2020	6/1/2020	5	22	
2	Grading	Grading	6/2/2020	7/31/2020	5	44	
3	Paving	Paving	8/1/2020	9/1/2020	5	22	
4	Building Construction	Building Construction	9/2/2020	9/9/2022	5	528	
5	Architectural Coating	Architectural Coating	8/9/2022	9/1/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 76,104; Non-Residential Outdoor: 25,368; Striped Parking Area: 684 (Architectural Coating – sqft)

OffRoad Equipment

Hyatt Hotel Project - Santa Clara County, Winter

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
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
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Hyatt Hotel Project - Santa Clara County, Winter

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	11.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	874.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	27.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1074	0.0000	0.1074	0.0163	0.0000	0.0163			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.1074	1.6587	1.7661	0.0163	1.5419	1.5581		3,747.7049	3,747.7049	1.0580		3,774.1536

Hyatt Hotel Project - Santa Clara County, Winter

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2200e-003	0.1457	0.0310	3.9000e-004	8.7400e-003	4.8000e-004	9.2100e-003	2.3900e-003	4.6000e-004	2.8500e-003		41.6208	41.6208	1.9700e-003		41.6702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
Total	0.0597	0.1848	0.4133	1.5000e-003	0.1320	1.2500e-003	0.1332	0.0351	1.1700e-003	0.0362		152.6908	152.6908	4.7200e-003		152.8089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0398	0.0000	0.0398	6.0200e-003	0.0000	6.0200e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.0398	1.6587	1.6985	6.0200e-003	1.5419	1.5479	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Hyatt Hotel Project - Santa Clara County, Winter

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2200e-003	0.1457	0.0310	3.9000e-004	7.0200e-003	4.8000e-004	7.5000e-003	1.9700e-003	4.6000e-004	2.4300e-003		41.6208	41.6208	1.9700e-003		41.6702
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.0954	7.7000e-004	0.0962	0.0259	7.1000e-004	0.0266		111.0699	111.0699	2.7500e-003		111.1388
Total	0.0597	0.1848	0.4133	1.5000e-003	0.1024	1.2500e-003	0.1037	0.0278	1.1700e-003	0.0290		152.6908	152.6908	4.7200e-003		152.8089

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5703	0.0000	6.5703	3.3702	0.0000	3.3702			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5703	1.2734	7.8437	3.3702	1.1716	4.5418		2,872.4851	2,872.4851	0.9290		2,895.7106

Hyatt Hotel Project - Santa Clara County, Winter

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1677	5.7862	1.2307	0.0155	0.3472	0.0189	0.3661	0.0951	0.0181	0.1132		1,653.4826	1,653.4826	0.0784		1,655.4422
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
Total	0.2231	5.8254	1.6130	0.0166	0.4704	0.0197	0.4900	0.1278	0.0188	0.1466		1,764.5525	1,764.5525	0.0811		1,766.5810

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4343	0.0000	2.4343	1.2487	0.0000	1.2487			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.4343	1.2734	3.7077	1.2487	1.1716	2.4202	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Hyatt Hotel Project - Santa Clara County, Winter

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1677	5.7862	1.2307	0.0155	0.2789	0.0189	0.2978	0.0784	0.0181	0.0965		1,653.4826	1,653.4826	0.0784		1,655.4422
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.0954	7.7000e-004	0.0962	0.0259	7.1000e-004	0.0266		111.0699	111.0699	2.7500e-003		111.1388
Total	0.2231	5.8254	1.6130	0.0166	0.3743	0.0197	0.3939	0.1042	0.0188	0.1230		1,764.5525	1,764.5525	0.0811		1,766.5810

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005		1,804.7070	1,804.7070	0.5670		1,818.8830
Paving	3.5700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1873	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005		1,804.7070	1,804.7070	0.5670		1,818.8830

Hyatt Hotel Project - Santa Clara County, Winter

3.4 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0739	0.0521	0.5097	1.4900e-003	0.1643	1.0200e-003	0.1653	0.0436	9.4000e-004	0.0445		148.0932	148.0932	3.6700e-003		148.1850
Total	0.0739	0.0521	0.5097	1.4900e-003	0.1643	1.0200e-003	0.1653	0.0436	9.4000e-004	0.0445		148.0932	148.0932	3.6700e-003		148.1850

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005	0.0000	1,804.7070	1,804.7070	0.5670		1,818.8830
Paving	3.5700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1873	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005	0.0000	1,804.7070	1,804.7070	0.5670		1,818.8830

Hyatt Hotel Project - Santa Clara County, Winter

3.4 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0739	0.0521	0.5097	1.4900e-003	0.1272	1.0200e-003	0.1282	0.0345	9.4000e-004	0.0354		148.0932	148.0932	3.6700e-003		148.1850
Total	0.0739	0.0521	0.5097	1.4900e-003	0.1272	1.0200e-003	0.1282	0.0345	9.4000e-004	0.0354		148.0932	148.0932	3.6700e-003		148.1850

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Hyatt Hotel Project - Santa Clara County, Winter

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0409	1.1375	0.3245	2.6900e-003	0.0677	5.6900e-003	0.0734	0.0195	5.4400e-003	0.0249		283.9041	283.9041	0.0138		284.2482
Worker	0.0998	0.0704	0.6881	2.0100e-003	0.2218	1.3800e-003	0.2232	0.0588	1.2700e-003	0.0601		199.9259	199.9259	4.9600e-003		200.0498
Total	0.1407	1.2079	1.0126	4.7000e-003	0.2895	7.0700e-003	0.2966	0.0783	6.7100e-003	0.0850		483.8300	483.8300	0.0187		484.2979

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Hyatt Hotel Project - Santa Clara County, Winter

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0409	1.1375	0.3245	2.6900e-003	0.0552	5.6900e-003	0.0608	0.0164	5.4400e-003	0.0219		283.9041	283.9041	0.0138		284.2482
Worker	0.0998	0.0704	0.6881	2.0100e-003	0.1717	1.3800e-003	0.1731	0.0465	1.2700e-003	0.0478		199.9259	199.9259	4.9600e-003		200.0498
Total	0.1407	1.2079	1.0126	4.7000e-003	0.2268	7.0700e-003	0.2339	0.0629	6.7100e-003	0.0697		483.8300	483.8300	0.0187		484.2979

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Hyatt Hotel Project - Santa Clara County, Winter

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0338	1.0257	0.2934	2.6600e-003	0.0677	2.3200e-003	0.0700	0.0195	2.2200e-003	0.0217		281.2705	281.2705	0.0130		281.5945
Worker	0.0926	0.0629	0.6281	1.9400e-003	0.2218	1.3500e-003	0.2232	0.0588	1.2400e-003	0.0601		192.9874	192.9874	4.4300e-003		193.0982
Total	0.1264	1.0886	0.9215	4.6000e-003	0.2895	3.6700e-003	0.2932	0.0783	3.4600e-003	0.0818		474.2579	474.2579	0.0174		474.6927

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Hyatt Hotel Project - Santa Clara County, Winter

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0338	1.0257	0.2934	2.6600e-003	0.0552	2.3200e-003	0.0575	0.0164	2.2200e-003	0.0186		281.2705	281.2705	0.0130		281.5945
Worker	0.0926	0.0629	0.6281	1.9400e-003	0.1717	1.3500e-003	0.1730	0.0465	1.2400e-003	0.0478		192.9874	192.9874	4.4300e-003		193.0982
Total	0.1264	1.0886	0.9215	4.6000e-003	0.2268	3.6700e-003	0.2305	0.0629	3.4600e-003	0.0664		474.2579	474.2579	0.0174		474.6927

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Hyatt Hotel Project - Santa Clara County, Winter

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0315	0.9692	0.2763	2.6300e-003	0.0677	2.0200e-003	0.0697	0.0195	1.9300e-003	0.0214		278.5520	278.5520	0.0124		278.8613
Worker	0.0866	0.0564	0.5765	1.8700e-003	0.2218	1.3200e-003	0.2231	0.0588	1.2100e-003	0.0600		185.9787	185.9787	3.9700e-003		186.0779
Total	0.1181	1.0256	0.8528	4.5000e-003	0.2895	3.3400e-003	0.2929	0.0783	3.1400e-003	0.0815		464.5307	464.5307	0.0163		464.9392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Hyatt Hotel Project - Santa Clara County, Winter

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0315	0.9692	0.2763	2.6300e-003	0.0552	2.0200e-003	0.0572	0.0164	1.9300e-003	0.0183		278.5520	278.5520	0.0124		278.8613
Worker	0.0866	0.0564	0.5765	1.8700e-003	0.1717	1.3200e-003	0.1730	0.0465	1.2100e-003	0.0477		185.9787	185.9787	3.9700e-003		186.0779
Total	0.1181	1.0256	0.8528	4.5000e-003	0.2268	3.3400e-003	0.2302	0.0629	3.1400e-003	0.0661		464.5307	464.5307	0.0163		464.9392

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.8639	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Hyatt Hotel Project - Santa Clara County, Winter

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0160	0.0105	0.1068	3.5000e-004	0.0411	2.4000e-004	0.0413	0.0109	2.2000e-004	0.0111		34.4405	34.4405	7.3000e-004		34.4589
Total	0.0160	0.0105	0.1068	3.5000e-004	0.0411	2.4000e-004	0.0413	0.0109	2.2000e-004	0.0111		34.4405	34.4405	7.3000e-004		34.4589

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.8639	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Hyatt Hotel Project - Santa Clara County, Winter

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0160	0.0105	0.1068	3.5000e-004	0.0318	2.4000e-004	0.0320	8.6200e-003	2.2000e-004	8.8400e-003		34.4405	34.4405	7.3000e-004		34.4589
Total	0.0160	0.0105	0.1068	3.5000e-004	0.0318	2.4000e-004	0.0320	8.6200e-003	2.2000e-004	8.8400e-003		34.4405	34.4405	7.3000e-004		34.4589

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Hyatt Hotel Project - Santa Clara County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7107	2.4393	12.2712	0.0302	3.0649	0.0292	3.0941	0.8169	0.0273	0.8442		3,091.206 2	3,091.206 2	0.1808		3,095.726 9
Unmitigated	1.7107	2.4393	12.2712	0.0302	3.0649	0.0292	3.0941	0.8169	0.0273	0.8442		3,091.206 2	3,091.206 2	0.1808		3,095.726 9

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	764.40	764.40	764.40	1,452,307	1,452,307
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Total	764.40	764.40	764.40	1,452,307	1,452,307

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

Hyatt Hotel Project - Santa Clara County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Hotel	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Parking Lot	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Recreational Swimming Pool	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0486	0.4421	0.3714	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.5326	530.5326	0.0102	9.7300e-003	533.6853
NaturalGas Unmitigated	0.0664	0.6038	0.5072	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.6131	724.6131	0.0139	0.0133	728.9191

Hyatt Hotel Project - Santa Clara County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	6159.21	0.0664	0.6038	0.5072	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.6131	724.6131	0.0139	0.0133	728.9191
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0664	0.6038	0.5072	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.6131	724.6131	0.0139	0.0133	728.9191

Hyatt Hotel Project - Santa Clara County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	4.50953	0.0486	0.4421	0.3714	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.5326	530.5326	0.0102	9.7300e-003	533.6853
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0486	0.4421	0.3714	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.5326	530.5326	0.0102	9.7300e-003	533.6853

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

Hyatt Hotel Project - Santa Clara County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Unmitigated	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0898					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

Hyatt Hotel Project - Santa Clara County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0898					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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

Hyatt Hotel Project - Santa Clara County, Winter

Fire Pumps and Emergency Generators

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

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

Hyatt Hotel Project - Santa Clara County, Summer

Hyatt Hotel Project
Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	60.00	Space	0.54	8,578.00	0
Parking Lot	3.00	Space	0.03	2,828.00	0
Hotel	105.00	Room	3.50	50,736.00	0
Recreational Swimming Pool	1.40	1000sqft	0.03	1,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206.29	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Hyatt Hotel Project - Santa Clara County, Summer

Project Characteristics - Total CO2 emission factor from The Climate Registry. Available at: <https://www.theclimateregistry.org/our-members/cris-public-reports/>. Accessed: April 2020.

Land Use - Source: Shad Design Group, A Planning Application For: Hyatt Place, dated April 15, 2019.

Construction Phase - Per construction questionnaire

Off-road Equipment -

Off-road Equipment - Per construction questionnaire.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading -

Vehicle Trips - Per Hyatt Place Hotel Local Transportation Analysis dated September 24, 2019.

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Construction Off-road Equipment Mitigation - Per BAAQMD standards and regulations.

Area Mitigation - Per BAAQMD Regulation 8, Rule 3 (Architectural Coatings) and Regulation 6, Rule 3 (Wood-Burning Devices).

Energy Mitigation - % Improvement based on efficiency of 2019 Title 24 Standards compared to 2016 Title 24 Standards.

Waste Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

Hyatt Hotel Project - Santa Clara County, Summer

tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	8.00	44.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	NumDays	230.00	528.00
tblGrading	MaterialExported	0.00	6,994.00
tblLandUse	LandUseSquareFeet	24,000.00	8,578.00
tblLandUse	LandUseSquareFeet	1,200.00	2,828.00
tblLandUse	LandUseSquareFeet	152,460.00	50,736.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	206.29
tblVehicleEF	HHD	0.49	0.02
tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	2.56	5.93
tblVehicleEF	HHD	1.00	0.53
tblVehicleEF	HHD	3.70	7.2190e-003
tblVehicleEF	HHD	4,606.33	1,103.77
tblVehicleEF	HHD	1,643.47	1,504.39
tblVehicleEF	HHD	11.51	0.07
tblVehicleEF	HHD	21.11	5.91
tblVehicleEF	HHD	4.02	3.49
tblVehicleEF	HHD	19.48	2.06
tblVehicleEF	HHD	0.02	3.4950e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0300e-004	1.0000e-006
tblVehicleEF	HHD	0.02	3.3440e-003

Hyatt Hotel Project - Santa Clara County, Summer

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8230e-003	8.8660e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	9.4000e-005	1.0000e-006
tblVehicleEF	HHD	1.0400e-004	3.0000e-006
tblVehicleEF	HHD	5.6370e-003	1.5900e-004
tblVehicleEF	HHD	0.65	0.43
tblVehicleEF	HHD	6.4000e-005	2.0000e-006
tblVehicleEF	HHD	0.14	0.08
tblVehicleEF	HHD	4.9200e-004	9.7800e-004
tblVehicleEF	HHD	0.11	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.7700e-004	1.0000e-006
tblVehicleEF	HHD	1.0400e-004	3.0000e-006
tblVehicleEF	HHD	5.6370e-003	1.5900e-004
tblVehicleEF	HHD	0.76	0.49
tblVehicleEF	HHD	6.4000e-005	2.0000e-006
tblVehicleEF	HHD	0.21	0.14
tblVehicleEF	HHD	4.9200e-004	9.7800e-004
tblVehicleEF	HHD	0.12	3.0000e-006
tblVehicleEF	HHD	0.47	0.03
tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	0.09	0.00
tblVehicleEF	HHD	1.86	5.81
tblVehicleEF	HHD	1.01	0.53
tblVehicleEF	HHD	3.40	6.5890e-003

Hyatt Hotel Project - Santa Clara County, Summer

tblVehicleEF	HHD	4,878.22	1,099.47
tblVehicleEF	HHD	1,643.47	1,504.39
tblVehicleEF	HHD	11.51	0.07
tblVehicleEF	HHD	21.79	5.73
tblVehicleEF	HHD	3.87	3.36
tblVehicleEF	HHD	19.45	2.06
tblVehicleEF	HHD	0.02	3.0640e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0300e-004	1.0000e-006
tblVehicleEF	HHD	0.02	2.9320e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8230e-003	8.8660e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	9.4000e-005	1.0000e-006
tblVehicleEF	HHD	2.3900e-004	8.0000e-006
tblVehicleEF	HHD	6.0710e-003	1.7400e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	1.3800e-004	5.0000e-006
tblVehicleEF	HHD	0.14	0.08
tblVehicleEF	HHD	4.7900e-004	9.7000e-004
tblVehicleEF	HHD	0.11	2.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.7200e-004	1.0000e-006

Hyatt Hotel Project - Santa Clara County, Summer

tblVehicleEF	HHD	2.3900e-004	8.0000e-006
tblVehicleEF	HHD	6.0710e-003	1.7400e-004
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tblVehicleEF	HHD	1.3800e-004	5.0000e-006
tblVehicleEF	HHD	0.21	0.14
tblVehicleEF	HHD	4.7900e-004	9.7000e-004
tblVehicleEF	HHD	0.12	2.0000e-006
tblVehicleEF	HHD	0.53	0.02
tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	3.52	6.11
tblVehicleEF	HHD	1.00	0.53
tblVehicleEF	HHD	3.97	7.7720e-003
tblVehicleEF	HHD	4,230.85	1,109.72
tblVehicleEF	HHD	1,643.47	1,504.39
tblVehicleEF	HHD	11.51	0.07
tblVehicleEF	HHD	20.18	6.16
tblVehicleEF	HHD	4.08	3.54
tblVehicleEF	HHD	19.50	2.06
tblVehicleEF	HHD	0.02	4.0910e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0300e-004	1.0000e-006
tblVehicleEF	HHD	0.02	3.9140e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8230e-003	8.8660e-003

Hyatt Hotel Project - Santa Clara County, Summer

tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	9.4000e-005	1.0000e-006
tblVehicleEF	HHD	5.4000e-005	1.0000e-006
tblVehicleEF	HHD	5.9130e-003	1.7800e-004
tblVehicleEF	HHD	0.71	0.40
tblVehicleEF	HHD	3.3000e-005	1.0000e-006
tblVehicleEF	HHD	0.14	0.08
tblVehicleEF	HHD	5.4600e-004	1.0660e-003
tblVehicleEF	HHD	0.12	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.8100e-004	1.0000e-006
tblVehicleEF	HHD	5.4000e-005	1.0000e-006
tblVehicleEF	HHD	5.9130e-003	1.7800e-004
tblVehicleEF	HHD	0.81	0.46
tblVehicleEF	HHD	3.3000e-005	1.0000e-006
tblVehicleEF	HHD	0.21	0.14
tblVehicleEF	HHD	5.4600e-004	1.0660e-003
tblVehicleEF	HHD	0.13	3.0000e-006
tblVehicleEF	LDA	4.1020e-003	2.3540e-003
tblVehicleEF	LDA	6.2620e-003	0.05
tblVehicleEF	LDA	0.57	0.61
tblVehicleEF	LDA	1.33	2.29
tblVehicleEF	LDA	254.67	254.00
tblVehicleEF	LDA	59.39	53.53
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.08	0.20

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tblVehicleEF	LDA	1.6890e-003	1.4970e-003
tblVehicleEF	LDA	2.2650e-003	1.8490e-003
tblVehicleEF	LDA	1.5560e-003	1.3800e-003
tblVehicleEF	LDA	2.0820e-003	1.7000e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	9.2800e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	2.5500e-003	2.5130e-003
tblVehicleEF	LDA	6.1600e-004	5.3000e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	4.5670e-003	2.6610e-003
tblVehicleEF	LDA	5.1860e-003	0.04
tblVehicleEF	LDA	0.67	0.72
tblVehicleEF	LDA	1.05	1.77
tblVehicleEF	LDA	274.58	273.62
tblVehicleEF	LDA	59.39	52.57
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.17
tblVehicleEF	LDA	1.6890e-003	1.4940e-003

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tblVehicleEF	LDA	1.6890e-003	1.4970e-003
tblVehicleEF	LDA	2.2650e-003	1.8490e-003
tblVehicleEF	LDA	1.5560e-003	1.3800e-003
tblVehicleEF	LDA	2.0820e-003	1.7000e-003
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.20
tblVehicleEF	LDA	2.7510e-003	2.7070e-003
tblVehicleEF	LDA	6.1200e-004	5.2000e-004
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.22
tblVehicleEF	LDA	3.9950e-003	2.2690e-003
tblVehicleEF	LDA	7.0990e-003	0.06
tblVehicleEF	LDA	0.56	0.60
tblVehicleEF	LDA	1.55	2.68
tblVehicleEF	LDA	251.39	251.58
tblVehicleEF	LDA	59.39	54.27
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	1.6890e-003	1.4970e-003

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tblVehicleEF	LDA	2.2650e-003	1.8490e-003
tblVehicleEF	LDA	1.5560e-003	1.3800e-003
tblVehicleEF	LDA	2.0820e-003	1.7000e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.01	9.0590e-003
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.28
tblVehicleEF	LDA	2.5170e-003	2.4890e-003
tblVehicleEF	LDA	6.2000e-004	5.3700e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.30
tblVehicleEF	LDT1	0.01	4.8530e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.23	1.04
tblVehicleEF	LDT1	2.89	2.50
tblVehicleEF	LDT1	312.93	302.13
tblVehicleEF	LDT1	72.25	64.45
tblVehicleEF	LDT1	0.12	0.09
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	2.3880e-003	1.9370e-003
tblVehicleEF	LDT1	3.1640e-003	2.4520e-003

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tblVehicleEF	LDT1	2.1990e-003	1.7830e-003
tblVehicleEF	LDT1	2.9100e-003	2.2540e-003
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.66
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.1440e-003	2.9900e-003
tblVehicleEF	LDT1	7.7300e-004	6.3800e-004
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.66
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT1	0.01	5.4310e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.42	1.20
tblVehicleEF	LDT1	2.27	1.93
tblVehicleEF	LDT1	336.30	322.19
tblVehicleEF	LDT1	72.25	63.32
tblVehicleEF	LDT1	0.11	0.08
tblVehicleEF	LDT1	0.14	0.23
tblVehicleEF	LDT1	2.3880e-003	1.9340e-003
tblVehicleEF	LDT1	2.3880e-003	1.9370e-003
tblVehicleEF	LDT1	3.1640e-003	2.4520e-003

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tblVehicleEF	LDT1	2.1990e-003	1.7830e-003
tblVehicleEF	LDT1	2.9100e-003	2.2540e-003
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.27	0.21
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.15	0.61
tblVehicleEF	LDT1	0.16	0.30
tblVehicleEF	LDT1	3.3800e-003	3.1880e-003
tblVehicleEF	LDT1	7.6200e-004	6.2700e-004
tblVehicleEF	LDT1	0.22	0.21
tblVehicleEF	LDT1	0.27	0.21
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.15	0.61
tblVehicleEF	LDT1	0.18	0.32
tblVehicleEF	LDT1	9.8780e-003	4.7000e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.21	1.03
tblVehicleEF	LDT1	3.40	2.93
tblVehicleEF	LDT1	309.08	299.73
tblVehicleEF	LDT1	72.25	65.30
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	2.3880e-003	1.9370e-003
tblVehicleEF	LDT1	3.1640e-003	2.4520e-003
tblVehicleEF	LDT1	2.1990e-003	1.7830e-003

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tblVehicleEF	LDT1	2.9100e-003	2.2540e-003
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.26	0.19
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.22	0.41
tblVehicleEF	LDT1	3.1050e-003	2.9660e-003
tblVehicleEF	LDT1	7.8200e-004	6.4600e-004
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.26	0.19
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.24	0.45
tblVehicleEF	LDT2	5.9280e-003	3.5120e-003
tblVehicleEF	LDT2	8.2010e-003	0.07
tblVehicleEF	LDT2	0.77	0.81
tblVehicleEF	LDT2	1.72	2.91
tblVehicleEF	LDT2	357.28	326.31
tblVehicleEF	LDT2	82.63	69.96
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.14	0.30
tblVehicleEF	LDT2	1.6320e-003	1.4840e-003
tblVehicleEF	LDT2	2.2340e-003	1.8240e-003
tblVehicleEF	LDT2	1.5010e-003	1.3660e-003
tblVehicleEF	LDT2	2.0540e-003	1.6770e-003

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tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.11	0.34
tblVehicleEF	LDT2	3.5790e-003	3.2280e-003
tblVehicleEF	LDT2	8.5600e-004	6.9200e-004
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	6.5840e-003	3.9540e-003
tblVehicleEF	LDT2	6.7950e-003	0.06
tblVehicleEF	LDT2	0.91	0.95
tblVehicleEF	LDT2	1.36	2.25
tblVehicleEF	LDT2	384.48	346.01
tblVehicleEF	LDT2	82.63	68.72
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.13	0.26
tblVehicleEF	LDT2	1.6320e-003	1.4810e-003
tblVehicleEF	LDT2	1.6320e-003	1.4840e-003
tblVehicleEF	LDT2	2.2340e-003	1.8240e-003
tblVehicleEF	LDT2	1.5010e-003	1.3660e-003
tblVehicleEF	LDT2	2.0540e-003	1.6770e-003

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tblVehicleEF	LDT2	0.10	0.14
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.40
tblVehicleEF	LDT2	0.09	0.28
tblVehicleEF	LDT2	3.8520e-003	3.4230e-003
tblVehicleEF	LDT2	8.4900e-004	6.8000e-004
tblVehicleEF	LDT2	0.10	0.14
tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.40
tblVehicleEF	LDT2	0.10	0.30
tblVehicleEF	LDT2	5.7750e-003	3.3890e-003
tblVehicleEF	LDT2	9.2910e-003	0.08
tblVehicleEF	LDT2	0.76	0.80
tblVehicleEF	LDT2	2.02	3.41
tblVehicleEF	LDT2	352.80	323.94
tblVehicleEF	LDT2	82.63	70.90
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.15	0.32
tblVehicleEF	LDT2	1.6320e-003	1.4840e-003
tblVehicleEF	LDT2	2.2340e-003	1.8240e-003
tblVehicleEF	LDT2	1.5010e-003	1.3660e-003
tblVehicleEF	LDT2	2.0540e-003	1.6770e-003
tblVehicleEF	LDT2	0.02	0.03

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tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.09	0.52
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.5340e-003	3.2050e-003
tblVehicleEF	LDT2	8.6100e-004	7.0200e-004
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.52
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.9570e-003	5.2220e-003
tblVehicleEF	LHD1	0.02	9.6590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.20	0.88
tblVehicleEF	LHD1	2.95	1.10
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	704.65	806.69
tblVehicleEF	LHD1	33.88	11.78
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.31	0.97
tblVehicleEF	LHD1	1.09	0.33
tblVehicleEF	LHD1	8.6000e-004	8.5200e-004
tblVehicleEF	LHD1	9.9630e-003	9.7670e-003

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tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0630e-003	2.6300e-004
tblVehicleEF	LHD1	8.2300e-004	8.1600e-004
tblVehicleEF	LHD1	2.4910e-003	2.4420e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7800e-004	2.4100e-004
tblVehicleEF	LHD1	2.8190e-003	1.9060e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4030e-003	1.0290e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.9280e-003	7.8750e-003
tblVehicleEF	LHD1	3.9500e-004	1.1700e-004
tblVehicleEF	LHD1	2.8190e-003	1.9060e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.4030e-003	1.0290e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.33	0.09
tblVehicleEF	LHD1	5.9570e-003	5.2380e-003
tblVehicleEF	LHD1	0.02	9.9180e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.15	0.18

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tblVehicleEF	LHD1	1.22	0.90
tblVehicleEF	LHD1	2.73	1.02
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	704.65	806.73
tblVehicleEF	LHD1	33.88	11.63
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.25	0.92
tblVehicleEF	LHD1	1.02	0.31
tblVehicleEF	LHD1	8.6000e-004	8.5200e-004
tblVehicleEF	LHD1	9.9630e-003	9.7670e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0630e-003	2.6300e-004
tblVehicleEF	LHD1	8.2300e-004	8.1600e-004
tblVehicleEF	LHD1	2.4910e-003	2.4420e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7800e-004	2.4100e-004
tblVehicleEF	LHD1	6.3880e-003	4.5700e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9310e-003	2.2230e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.32	0.54
tblVehicleEF	LHD1	0.29	0.07
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.9280e-003	7.8760e-003
tblVehicleEF	LHD1	3.9100e-004	1.1500e-004

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tblVehicleEF	LHD1	6.3880e-003	4.5700e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.9310e-003	2.2230e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.32	0.54
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD1	5.9570e-003	5.2090e-003
tblVehicleEF	LHD1	0.02	9.4660e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.17	0.86
tblVehicleEF	LHD1	3.17	1.18
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	704.65	806.66
tblVehicleEF	LHD1	33.88	11.92
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.34	0.99
tblVehicleEF	LHD1	1.15	0.35
tblVehicleEF	LHD1	8.6000e-004	8.5200e-004
tblVehicleEF	LHD1	9.9630e-003	9.7670e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0630e-003	2.6300e-004
tblVehicleEF	LHD1	8.2300e-004	8.1600e-004
tblVehicleEF	LHD1	2.4910e-003	2.4420e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7800e-004	2.4100e-004

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tblVehicleEF	LHD1	1.4130e-003	8.2000e-004
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.3200e-004	4.7900e-004
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.37	0.62
tblVehicleEF	LHD1	0.32	0.08
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.9270e-003	7.8750e-003
tblVehicleEF	LHD1	3.9900e-004	1.1800e-004
tblVehicleEF	LHD1	1.4130e-003	8.2000e-004
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	7.3200e-004	4.7900e-004
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.37	0.62
tblVehicleEF	LHD1	0.35	0.09
tblVehicleEF	LHD2	3.8320e-003	3.3780e-003
tblVehicleEF	LHD2	9.2950e-003	7.5330e-003
tblVehicleEF	LHD2	8.8580e-003	9.3380e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.37	0.67
tblVehicleEF	LHD2	14.07	14.12
tblVehicleEF	LHD2	720.29	789.89
tblVehicleEF	LHD2	25.14	8.25
tblVehicleEF	LHD2	0.11	0.10

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tblVehicleEF	LHD2	0.95	1.03
tblVehicleEF	LHD2	0.53	0.20
tblVehicleEF	LHD2	1.2990e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.7100e-004	1.3700e-004
tblVehicleEF	LHD2	1.2430e-003	1.3220e-003
tblVehicleEF	LHD2	2.6810e-003	2.6760e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.3300e-004	1.2600e-004
tblVehicleEF	LHD2	9.9400e-004	1.0200e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	5.0900e-004	5.5900e-004
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.3700e-004	1.3500e-004
tblVehicleEF	LHD2	7.0090e-003	7.6320e-003
tblVehicleEF	LHD2	2.7600e-004	8.2000e-005
tblVehicleEF	LHD2	9.9400e-004	1.0200e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.0900e-004	5.5900e-004
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.13	0.05

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tblVehicleEF	LHD2	3.8320e-003	3.3880e-003
tblVehicleEF	LHD2	9.4580e-003	7.6330e-003
tblVehicleEF	LHD2	8.3680e-003	8.7850e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.64	0.68
tblVehicleEF	LHD2	1.27	0.62
tblVehicleEF	LHD2	14.07	14.12
tblVehicleEF	LHD2	720.29	789.90
tblVehicleEF	LHD2	25.14	8.16
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	0.91	0.99
tblVehicleEF	LHD2	0.50	0.19
tblVehicleEF	LHD2	1.2990e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.7100e-004	1.3700e-004
tblVehicleEF	LHD2	1.2430e-003	1.3220e-003
tblVehicleEF	LHD2	2.6810e-003	2.6760e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.3300e-004	1.2600e-004
tblVehicleEF	LHD2	2.2540e-003	2.4350e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0660e-003	1.1990e-003
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.09	0.28

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tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3700e-004	1.3500e-004
tblVehicleEF	LHD2	7.0090e-003	7.6330e-003
tblVehicleEF	LHD2	2.7500e-004	8.1000e-005
tblVehicleEF	LHD2	2.2540e-003	2.4350e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0660e-003	1.1990e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.09	0.28
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	3.8320e-003	3.3700e-003
tblVehicleEF	LHD2	9.1660e-003	7.4570e-003
tblVehicleEF	LHD2	9.2820e-003	9.7890e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.47	0.72
tblVehicleEF	LHD2	14.07	14.12
tblVehicleEF	LHD2	720.29	789.88
tblVehicleEF	LHD2	25.14	8.33
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	0.97	1.05
tblVehicleEF	LHD2	0.56	0.21
tblVehicleEF	LHD2	1.2990e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.7100e-004	1.3700e-004

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tblVehicleEF	LHD2	1.2430e-003	1.3220e-003
tblVehicleEF	LHD2	2.6810e-003	2.6760e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.3300e-004	1.2600e-004
tblVehicleEF	LHD2	5.0200e-004	4.5600e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3700e-004	1.3500e-004
tblVehicleEF	LHD2	7.0090e-003	7.6320e-003
tblVehicleEF	LHD2	2.7800e-004	8.2000e-005
tblVehicleEF	LHD2	5.0200e-004	4.5600e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.16	0.26
tblVehicleEF	MCY	19.41	20.29
tblVehicleEF	MCY	10.14	9.06
tblVehicleEF	MCY	168.73	214.75
tblVehicleEF	MCY	45.97	62.08
tblVehicleEF	MCY	1.15	1.17
tblVehicleEF	MCY	0.32	0.27

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tblVehicleEF	MCY	1.9370e-003	2.0260e-003
tblVehicleEF	MCY	3.9880e-003	3.3190e-003
tblVehicleEF	MCY	1.8140e-003	1.8960e-003
tblVehicleEF	MCY	3.7640e-003	3.1300e-003
tblVehicleEF	MCY	0.91	0.83
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	0.50	0.49
tblVehicleEF	MCY	2.24	2.34
tblVehicleEF	MCY	0.63	2.24
tblVehicleEF	MCY	2.23	2.00
tblVehicleEF	MCY	2.0700e-003	2.1250e-003
tblVehicleEF	MCY	6.9100e-004	6.1400e-004
tblVehicleEF	MCY	0.91	0.83
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	0.50	0.49
tblVehicleEF	MCY	2.77	2.89
tblVehicleEF	MCY	0.63	2.24
tblVehicleEF	MCY	2.43	2.18
tblVehicleEF	MCY	0.43	0.33
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	18.69	19.28
tblVehicleEF	MCY	8.94	7.83
tblVehicleEF	MCY	168.73	212.79
tblVehicleEF	MCY	45.97	58.92
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.9370e-003	2.0260e-003

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tblVehicleEF	MCY	1.9370e-003	2.0260e-003
tblVehicleEF	MCY	3.9880e-003	3.3190e-003
tblVehicleEF	MCY	1.8140e-003	1.8960e-003
tblVehicleEF	MCY	3.7640e-003	3.1300e-003
tblVehicleEF	MCY	2.35	2.31
tblVehicleEF	MCY	0.95	0.97
tblVehicleEF	MCY	1.36	1.38
tblVehicleEF	MCY	2.16	2.24
tblVehicleEF	MCY	0.59	2.09
tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0560e-003	2.1060e-003
tblVehicleEF	MCY	6.6100e-004	5.8300e-004
tblVehicleEF	MCY	2.35	2.31
tblVehicleEF	MCY	0.95	0.97
tblVehicleEF	MCY	1.36	1.38
tblVehicleEF	MCY	2.67	2.77
tblVehicleEF	MCY	0.59	2.09
tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.46	0.35
tblVehicleEF	MCY	0.19	0.30
tblVehicleEF	MCY	20.95	21.99
tblVehicleEF	MCY	11.55	10.38
tblVehicleEF	MCY	168.73	217.81
tblVehicleEF	MCY	45.97	65.29
tblVehicleEF	MCY	1.24	1.25
tblVehicleEF	MCY	0.34	0.29
tblVehicleEF	MCY	1.9370e-003	2.0260e-003

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tblVehicleEF	MCY	3.9880e-003	3.3190e-003
tblVehicleEF	MCY	1.8140e-003	1.8960e-003
tblVehicleEF	MCY	3.7640e-003	3.1300e-003
tblVehicleEF	MCY	0.40	0.27
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	0.19	0.17
tblVehicleEF	MCY	2.34	2.45
tblVehicleEF	MCY	0.75	2.65
tblVehicleEF	MCY	2.59	2.34
tblVehicleEF	MCY	2.0980e-003	2.1550e-003
tblVehicleEF	MCY	7.2500e-004	6.4600e-004
tblVehicleEF	MCY	0.40	0.27
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	0.19	0.17
tblVehicleEF	MCY	2.88	3.01
tblVehicleEF	MCY	0.75	2.65
tblVehicleEF	MCY	2.81	2.54
tblVehicleEF	MDV	0.01	4.3620e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.32	0.91
tblVehicleEF	MDV	3.27	3.35
tblVehicleEF	MDV	473.55	395.94
tblVehicleEF	MDV	107.62	84.33
tblVehicleEF	MDV	0.16	0.09
tblVehicleEF	MDV	0.29	0.36
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	2.5800e-003	2.0150e-003

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tblVehicleEF	MDV	1.7250e-003	1.4980e-003
tblVehicleEF	MDV	2.3740e-003	1.8530e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.25	0.43
tblVehicleEF	MDV	4.7450e-003	3.9140e-003
tblVehicleEF	MDV	1.1340e-003	8.3500e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.28	0.47
tblVehicleEF	MDV	0.01	4.9090e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.52	1.07
tblVehicleEF	MDV	2.59	2.58
tblVehicleEF	MDV	508.67	416.21
tblVehicleEF	MDV	107.62	82.86
tblVehicleEF	MDV	0.15	0.08
tblVehicleEF	MDV	0.26	0.32
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	2.5800e-003	2.0150e-003

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tblVehicleEF	MDV	1.7250e-003	1.4980e-003
tblVehicleEF	MDV	2.3740e-003	1.8530e-003
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.10	0.43
tblVehicleEF	MDV	0.21	0.35
tblVehicleEF	MDV	5.0990e-003	4.1140e-003
tblVehicleEF	MDV	1.1220e-003	8.2000e-004
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.10	0.43
tblVehicleEF	MDV	0.23	0.39
tblVehicleEF	MDV	0.01	4.2210e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.31	0.90
tblVehicleEF	MDV	3.82	3.94
tblVehicleEF	MDV	467.76	393.47
tblVehicleEF	MDV	107.62	85.47
tblVehicleEF	MDV	0.18	0.10
tblVehicleEF	MDV	0.32	0.39
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	2.5800e-003	2.0150e-003
tblVehicleEF	MDV	1.7250e-003	1.4980e-003

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tblVehicleEF	MDV	2.3740e-003	1.8530e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.29	0.49
tblVehicleEF	MDV	4.6870e-003	3.8890e-003
tblVehicleEF	MDV	1.1440e-003	8.4600e-004
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.32	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.90	1.25
tblVehicleEF	MH	6.68	2.21
tblVehicleEF	MH	1,223.22	1,554.10
tblVehicleEF	MH	59.88	18.96
tblVehicleEF	MH	1.49	1.46
tblVehicleEF	MH	0.92	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.2930e-003	2.7900e-004
tblVehicleEF	MH	3.2150e-003	3.2750e-003

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tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.1890e-003	2.5700e-004
tblVehicleEF	MH	0.98	0.68
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.33	0.25
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.47
tblVehicleEF	MH	0.38	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.1500e-004	1.8800e-004
tblVehicleEF	MH	0.98	0.68
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.33	0.25
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.02	1.47
tblVehicleEF	MH	0.42	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.03	1.30
tblVehicleEF	MH	6.05	2.00
tblVehicleEF	MH	1,223.22	1,554.19
tblVehicleEF	MH	59.88	18.61
tblVehicleEF	MH	1.40	1.38
tblVehicleEF	MH	0.86	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.03	0.03

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tblVehicleEF	MH	1.2930e-003	2.7900e-004
tblVehicleEF	MH	3.2150e-003	3.2750e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.1890e-003	2.5700e-004
tblVehicleEF	MH	2.22	1.63
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.71	0.55
tblVehicleEF	MH	0.13	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.36	0.09
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.0400e-004	1.8400e-004
tblVehicleEF	MH	2.22	1.63
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.71	0.55
tblVehicleEF	MH	0.18	0.10
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.39	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.80	1.21
tblVehicleEF	MH	7.29	2.39
tblVehicleEF	MH	1,223.22	1,554.04
tblVehicleEF	MH	59.88	19.26
tblVehicleEF	MH	1.54	1.50
tblVehicleEF	MH	0.97	0.26
tblVehicleEF	MH	0.01	0.01

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tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.2930e-003	2.7900e-004
tblVehicleEF	MH	3.2150e-003	3.2750e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.1890e-003	2.5700e-004
tblVehicleEF	MH	0.48	0.28
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2600e-004	1.9100e-004
tblVehicleEF	MH	0.48	0.28
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.45	0.12
tblVehicleEF	MHD	0.02	3.2640e-003
tblVehicleEF	MHD	6.6980e-003	5.3690e-003
tblVehicleEF	MHD	0.06	8.9190e-003
tblVehicleEF	MHD	0.40	0.38
tblVehicleEF	MHD	0.47	0.46
tblVehicleEF	MHD	7.25	1.08
tblVehicleEF	MHD	136.73	80.49
tblVehicleEF	MHD	1,206.00	1,117.54

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tblVehicleEF	MHD	62.24	8.63
tblVehicleEF	MHD	0.58	0.60
tblVehicleEF	MHD	1.63	2.01
tblVehicleEF	MHD	10.30	1.41
tblVehicleEF	MHD	8.2700e-004	1.2650e-003
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	9.9100e-004	1.0800e-004
tblVehicleEF	MHD	7.9100e-004	1.2110e-003
tblVehicleEF	MHD	6.8990e-003	0.03
tblVehicleEF	MHD	9.1100e-004	9.9000e-005
tblVehicleEF	MHD	1.0740e-003	3.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.3000e-004	2.0800e-004
tblVehicleEF	MHD	0.06	0.09
tblVehicleEF	MHD	0.03	0.11
tblVehicleEF	MHD	0.43	0.05
tblVehicleEF	MHD	1.3170e-003	7.6300e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4900e-004	8.5000e-005
tblVehicleEF	MHD	1.0740e-003	3.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	5.3000e-004	2.0800e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.03	0.11
tblVehicleEF	MHD	0.47	0.05

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tblVehicleEF	MHD	0.02	3.0750e-003
tblVehicleEF	MHD	6.8520e-003	5.4360e-003
tblVehicleEF	MHD	0.05	8.3590e-003
tblVehicleEF	MHD	0.28	0.31
tblVehicleEF	MHD	0.48	0.47
tblVehicleEF	MHD	6.66	0.99
tblVehicleEF	MHD	144.99	81.39
tblVehicleEF	MHD	1,206.00	1,117.55
tblVehicleEF	MHD	62.24	8.47
tblVehicleEF	MHD	0.59	0.60
tblVehicleEF	MHD	1.56	1.93
tblVehicleEF	MHD	10.24	1.41
tblVehicleEF	MHD	6.9700e-004	1.0700e-003
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	9.9100e-004	1.0800e-004
tblVehicleEF	MHD	6.6700e-004	1.0240e-003
tblVehicleEF	MHD	6.8990e-003	0.03
tblVehicleEF	MHD	9.1100e-004	9.9000e-005
tblVehicleEF	MHD	2.5110e-003	9.3000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1770e-003	4.6800e-004
tblVehicleEF	MHD	0.06	0.09
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.3950e-003	7.7200e-004

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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3900e-004	8.4000e-005
tblVehicleEF	MHD	2.5110e-003	9.3000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1770e-003	4.6800e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.4530e-003
tblVehicleEF	MHD	6.5800e-003	5.3210e-003
tblVehicleEF	MHD	0.06	9.3510e-003
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	0.46	0.46
tblVehicleEF	MHD	7.79	1.16
tblVehicleEF	MHD	125.70	79.37
tblVehicleEF	MHD	1,206.00	1,117.53
tblVehicleEF	MHD	62.24	8.77
tblVehicleEF	MHD	0.55	0.60
tblVehicleEF	MHD	1.66	2.05
tblVehicleEF	MHD	10.36	1.42
tblVehicleEF	MHD	1.0060e-003	1.5350e-003
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	9.9100e-004	1.0800e-004
tblVehicleEF	MHD	9.6300e-004	1.4690e-003
tblVehicleEF	MHD	6.8990e-003	0.03
tblVehicleEF	MHD	9.1100e-004	9.9000e-005

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tblVehicleEF	MHD	5.2400e-004	1.6600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	2.6600e-004	9.4000e-005
tblVehicleEF	MHD	0.06	0.09
tblVehicleEF	MHD	0.03	0.13
tblVehicleEF	MHD	0.45	0.05
tblVehicleEF	MHD	1.2130e-003	7.5200e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.5800e-004	8.7000e-005
tblVehicleEF	MHD	5.2400e-004	1.6600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	2.6600e-004	9.4000e-005
tblVehicleEF	MHD	0.07	0.10
tblVehicleEF	MHD	0.03	0.13
tblVehicleEF	MHD	0.50	0.06
tblVehicleEF	OBUS	0.01	7.7420e-003
tblVehicleEF	OBUS	9.3020e-003	7.5640e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.58
tblVehicleEF	OBUS	0.58	0.76
tblVehicleEF	OBUS	5.50	2.17
tblVehicleEF	OBUS	110.36	97.18
tblVehicleEF	OBUS	1,314.27	1,420.90
tblVehicleEF	OBUS	67.24	17.13
tblVehicleEF	OBUS	0.58	0.48

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tblVehicleEF	OBUS	1.90	1.77
tblVehicleEF	OBUS	2.86	0.90
tblVehicleEF	OBUS	2.0100e-004	7.9000e-004
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	7.5500e-004	1.6000e-004
tblVehicleEF	OBUS	1.9200e-004	7.5500e-004
tblVehicleEF	OBUS	8.5580e-003	0.02
tblVehicleEF	OBUS	6.9400e-004	1.4700e-004
tblVehicleEF	OBUS	1.1920e-003	1.1980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	5.1400e-004	5.5800e-004
tblVehicleEF	OBUS	0.08	0.07
tblVehicleEF	OBUS	0.03	0.21
tblVehicleEF	OBUS	0.35	0.10
tblVehicleEF	OBUS	1.0650e-003	9.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.7000e-004
tblVehicleEF	OBUS	1.1920e-003	1.1980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	5.1400e-004	5.5800e-004
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.03	0.21
tblVehicleEF	OBUS	0.38	0.11
tblVehicleEF	OBUS	0.01	7.8070e-003
tblVehicleEF	OBUS	9.5280e-003	7.7730e-003

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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.60	0.78
tblVehicleEF	OBUS	5.02	1.97
tblVehicleEF	OBUS	115.93	97.00
tblVehicleEF	OBUS	1,314.27	1,420.94
tblVehicleEF	OBUS	67.24	16.79
tblVehicleEF	OBUS	0.60	0.47
tblVehicleEF	OBUS	1.82	1.68
tblVehicleEF	OBUS	2.80	0.88
tblVehicleEF	OBUS	1.6900e-004	6.7100e-004
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	7.5500e-004	1.6000e-004
tblVehicleEF	OBUS	1.6200e-004	6.4200e-004
tblVehicleEF	OBUS	8.5580e-003	0.02
tblVehicleEF	OBUS	6.9400e-004	1.4700e-004
tblVehicleEF	OBUS	2.6670e-003	2.7590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.0870e-003	1.1870e-003
tblVehicleEF	OBUS	0.08	0.07
tblVehicleEF	OBUS	0.03	0.20
tblVehicleEF	OBUS	0.32	0.10
tblVehicleEF	OBUS	1.1180e-003	9.2200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6100e-004	1.6600e-004

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tblVehicleEF	OBUS	2.6670e-003	2.7590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0870e-003	1.1870e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.03	0.20
tblVehicleEF	OBUS	0.35	0.10
tblVehicleEF	OBUS	0.01	7.6670e-003
tblVehicleEF	OBUS	9.1270e-003	7.4140e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.60
tblVehicleEF	OBUS	0.57	0.75
tblVehicleEF	OBUS	5.94	2.33
tblVehicleEF	OBUS	102.66	97.42
tblVehicleEF	OBUS	1,314.27	1,420.88
tblVehicleEF	OBUS	67.24	17.41
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	1.94	1.80
tblVehicleEF	OBUS	2.92	0.91
tblVehicleEF	OBUS	2.4400e-004	9.5300e-004
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	7.5500e-004	1.6000e-004
tblVehicleEF	OBUS	2.3400e-004	9.1200e-004
tblVehicleEF	OBUS	8.5580e-003	0.02
tblVehicleEF	OBUS	6.9400e-004	1.4700e-004
tblVehicleEF	OBUS	6.3700e-004	6.0000e-004
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.9000e-004	2.7000e-004
tblVehicleEF	OBUS	0.07	0.07
tblVehicleEF	OBUS	0.03	0.23
tblVehicleEF	OBUS	0.36	0.11
tblVehicleEF	OBUS	9.9100e-004	9.2600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7600e-004	1.7200e-004
tblVehicleEF	OBUS	6.3700e-004	6.0000e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	2.9000e-004	2.7000e-004
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.03	0.23
tblVehicleEF	OBUS	0.40	0.12
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.02	5.6540e-003
tblVehicleEF	SBUS	0.09	3.8850e-003
tblVehicleEF	SBUS	8.04	1.93
tblVehicleEF	SBUS	1.25	0.46
tblVehicleEF	SBUS	10.59	0.58
tblVehicleEF	SBUS	1,134.67	338.21
tblVehicleEF	SBUS	1,066.60	1,050.81
tblVehicleEF	SBUS	54.09	3.26
tblVehicleEF	SBUS	9.77	3.26
tblVehicleEF	SBUS	4.41	4.47
tblVehicleEF	SBUS	12.56	0.95

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tblVehicleEF	SBUS	0.01	3.3880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6500e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.2410e-003
tblVehicleEF	SBUS	2.6420e-003	2.7590e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.9500e-004	3.8000e-005
tblVehicleEF	SBUS	3.7040e-003	3.4700e-004
tblVehicleEF	SBUS	0.04	3.5450e-003
tblVehicleEF	SBUS	0.97	0.20
tblVehicleEF	SBUS	1.4870e-003	1.4800e-004
tblVehicleEF	SBUS	0.13	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.53	0.02
tblVehicleEF	SBUS	0.01	3.2150e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	3.2000e-005
tblVehicleEF	SBUS	3.7040e-003	3.4700e-004
tblVehicleEF	SBUS	0.04	3.5450e-003
tblVehicleEF	SBUS	1.39	0.29
tblVehicleEF	SBUS	1.4870e-003	1.4800e-004
tblVehicleEF	SBUS	0.16	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.58	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.02	5.7440e-003

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tblVehicleEF	SBUS	0.08	3.2670e-003
tblVehicleEF	SBUS	7.91	1.89
tblVehicleEF	SBUS	1.28	0.47
tblVehicleEF	SBUS	7.78	0.43
tblVehicleEF	SBUS	1,186.23	346.29
tblVehicleEF	SBUS	1,066.60	1,050.83
tblVehicleEF	SBUS	54.09	3.00
tblVehicleEF	SBUS	10.08	3.32
tblVehicleEF	SBUS	4.22	4.29
tblVehicleEF	SBUS	12.50	0.95
tblVehicleEF	SBUS	8.8720e-003	2.8640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6500e-004	4.1000e-005
tblVehicleEF	SBUS	8.4880e-003	2.7400e-003
tblVehicleEF	SBUS	2.6420e-003	2.7590e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.9500e-004	3.8000e-005
tblVehicleEF	SBUS	8.3470e-003	7.9700e-004
tblVehicleEF	SBUS	0.04	3.7310e-003
tblVehicleEF	SBUS	0.96	0.20
tblVehicleEF	SBUS	3.1820e-003	3.2900e-004
tblVehicleEF	SBUS	0.13	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003

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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	3.0000e-005
tblVehicleEF	SBUS	8.3470e-003	7.9700e-004
tblVehicleEF	SBUS	0.04	3.7310e-003
tblVehicleEF	SBUS	1.39	0.29
tblVehicleEF	SBUS	3.1820e-003	3.2900e-004
tblVehicleEF	SBUS	0.16	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.02	5.5880e-003
tblVehicleEF	SBUS	0.10	4.3860e-003
tblVehicleEF	SBUS	8.20	1.98
tblVehicleEF	SBUS	1.22	0.46
tblVehicleEF	SBUS	13.43	0.72
tblVehicleEF	SBUS	1,063.46	327.06
tblVehicleEF	SBUS	1,066.60	1,050.80
tblVehicleEF	SBUS	54.09	3.49
tblVehicleEF	SBUS	9.34	3.17
tblVehicleEF	SBUS	4.50	4.55
tblVehicleEF	SBUS	12.61	0.96
tblVehicleEF	SBUS	0.01	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6500e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9320e-003
tblVehicleEF	SBUS	2.6420e-003	2.7590e-003

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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.9500e-004	3.8000e-005
tblVehicleEF	SBUS	1.9750e-003	1.7400e-004
tblVehicleEF	SBUS	0.04	3.6610e-003
tblVehicleEF	SBUS	0.97	0.20
tblVehicleEF	SBUS	8.4200e-004	7.3000e-005
tblVehicleEF	SBUS	0.12	0.08
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.60	0.02
tblVehicleEF	SBUS	0.01	3.1090e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.7000e-004	3.5000e-005
tblVehicleEF	SBUS	1.9750e-003	1.7400e-004
tblVehicleEF	SBUS	0.04	3.6610e-003
tblVehicleEF	SBUS	1.40	0.29
tblVehicleEF	SBUS	8.4200e-004	7.3000e-005
tblVehicleEF	SBUS	0.15	0.09
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.66	0.03
tblVehicleEF	UBUS	0.28	1.18
tblVehicleEF	UBUS	0.04	6.0740e-003
tblVehicleEF	UBUS	5.43	8.63
tblVehicleEF	UBUS	8.06	0.42
tblVehicleEF	UBUS	2,118.14	1,677.32
tblVehicleEF	UBUS	94.20	4.78
tblVehicleEF	UBUS	11.45	1.27
tblVehicleEF	UBUS	15.24	0.05

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tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	1.0370e-003	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.25	5.3910e-003
tblVehicleEF	UBUS	9.5300e-004	2.5000e-005
tblVehicleEF	UBUS	2.2720e-003	2.6300e-004
tblVehicleEF	UBUS	0.04	3.9700e-003
tblVehicleEF	UBUS	1.0590e-003	1.6700e-004
tblVehicleEF	UBUS	0.72	0.02
tblVehicleEF	UBUS	8.0440e-003	0.03
tblVehicleEF	UBUS	0.55	0.03
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.0850e-003	4.7000e-005
tblVehicleEF	UBUS	2.2720e-003	2.6300e-004
tblVehicleEF	UBUS	0.04	3.9700e-003
tblVehicleEF	UBUS	1.0590e-003	1.6700e-004
tblVehicleEF	UBUS	1.05	1.21
tblVehicleEF	UBUS	8.0440e-003	0.03
tblVehicleEF	UBUS	0.61	0.03
tblVehicleEF	UBUS	0.28	1.18
tblVehicleEF	UBUS	0.04	5.3780e-003
tblVehicleEF	UBUS	5.50	8.63
tblVehicleEF	UBUS	6.40	0.34
tblVehicleEF	UBUS	2,118.14	1,677.32

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tblVehicleEF	UBUS	94.20	4.64
tblVehicleEF	UBUS	10.98	1.26
tblVehicleEF	UBUS	15.18	0.05
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	1.0370e-003	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.25	5.3910e-003
tblVehicleEF	UBUS	9.5300e-004	2.5000e-005
tblVehicleEF	UBUS	5.4590e-003	6.0100e-004
tblVehicleEF	UBUS	0.05	4.3910e-003
tblVehicleEF	UBUS	2.5450e-003	3.5500e-004
tblVehicleEF	UBUS	0.73	0.02
tblVehicleEF	UBUS	7.4030e-003	0.02
tblVehicleEF	UBUS	0.48	0.02
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.0570e-003	4.6000e-005
tblVehicleEF	UBUS	5.4590e-003	6.0100e-004
tblVehicleEF	UBUS	0.05	4.3910e-003
tblVehicleEF	UBUS	2.5450e-003	3.5500e-004
tblVehicleEF	UBUS	1.07	1.21
tblVehicleEF	UBUS	7.4030e-003	0.02
tblVehicleEF	UBUS	0.53	0.03
tblVehicleEF	UBUS	0.27	1.18

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tblVehicleEF	UBUS	0.05	6.6480e-003
tblVehicleEF	UBUS	5.39	8.63
tblVehicleEF	UBUS	9.65	0.50
tblVehicleEF	UBUS	2,118.14	1,677.32
tblVehicleEF	UBUS	94.20	4.90
tblVehicleEF	UBUS	11.63	1.27
tblVehicleEF	UBUS	15.29	0.05
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	1.0370e-003	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.25	5.3910e-003
tblVehicleEF	UBUS	9.5300e-004	2.5000e-005
tblVehicleEF	UBUS	1.1910e-003	1.3200e-004
tblVehicleEF	UBUS	0.05	4.0910e-003
tblVehicleEF	UBUS	5.3700e-004	7.8000e-005
tblVehicleEF	UBUS	0.71	0.02
tblVehicleEF	UBUS	9.8390e-003	0.03
tblVehicleEF	UBUS	0.62	0.03
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.1120e-003	4.9000e-005
tblVehicleEF	UBUS	1.1910e-003	1.3200e-004
tblVehicleEF	UBUS	0.05	4.0910e-003
tblVehicleEF	UBUS	5.3700e-004	7.8000e-005
tblVehicleEF	UBUS	1.04	1.21

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tblVehicleEF	UBUS	9.8390e-003	0.03
tblVehicleEF	UBUS	0.68	0.03
tblVehicleTrips	ST_TR	8.19	7.28
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	5.95	7.28
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	8.17	7.28
tblVehicleTrips	WD_TR	33.82	0.00

2.0 Emissions Summary

Hyatt Hotel Project - Santa Clara County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3684	33.3752	22.1945	0.0466	7.0407	1.6599	8.3335	3.4980	1.5430	4.6881	0.0000	4,675.379 0	4,675.379 0	1.0628	0.0000	4,700.550 0
2021	2.0198	18.5002	17.5118	0.0318	0.2895	0.9622	1.2517	0.0783	0.9047	0.9830	0.0000	3,052.046 1	3,052.046 1	0.6328	0.0000	3,067.866 5
2022	31.6959	18.0406	19.1614	0.0350	0.3306	0.8942	1.2248	0.0892	0.8462	0.9354	0.0000	3,361.570 3	3,361.570 3	0.6468	0.0000	3,377.741 3
Maximum	31.6959	33.3752	22.1945	0.0466	7.0407	1.6599	8.3335	3.4980	1.5430	4.6881	0.0000	4,675.379 0	4,675.379 0	1.0628	0.0000	4,700.550 0

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3684	33.3752	22.1945	0.0466	2.8086	1.6599	4.1014	1.3529	1.5430	2.5430	0.0000	4,675.379 0	4,675.379 0	1.0628	0.0000	4,700.550 0
2021	2.0198	18.5002	17.5118	0.0318	0.2268	0.9622	1.1891	0.0629	0.9047	0.9676	0.0000	3,052.046 1	3,052.046 1	0.6328	0.0000	3,067.866 5
2022	31.6959	18.0406	19.1614	0.0350	0.2586	0.8942	1.1529	0.0716	0.8462	0.9177	0.0000	3,361.570 3	3,361.570 3	0.6468	0.0000	3,377.741 3
Maximum	31.6959	33.3752	22.1945	0.0466	2.8086	1.6599	4.1014	1.3529	1.5430	2.5430	0.0000	4,675.379 0	4,675.379 0	1.0628	0.0000	4,700.550 0

Hyatt Hotel Project - Santa Clara County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	57.00	0.00	40.40	59.42	0.00	32.97	0.00	0.00	0.00	0.00	0.00	0.00

Hyatt Hotel Project - Santa Clara County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	0.0664	0.6038	0.5072	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.6131	724.6131	0.0139	0.0133	728.9191
Mobile	1.7465	2.1802	11.5894	0.0320	3.0649	0.0582	3.1231	0.8169	0.0273	0.8442		3,270.0044	3,270.0044	0.1555		3,273.8916
Total	3.0506	2.7842	12.1139	0.0356	3.0649	0.1041	3.1690	0.8169	0.0732	0.8901		3,994.6545	3,994.6545	0.1695	0.0133	4,002.8503

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	0.0486	0.4421	0.3714	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.5326	530.5326	0.0102	9.7300e-003	533.6853
Mobile	1.7465	2.1802	11.5894	0.0320	3.0649	0.0582	3.1231	0.8169	0.0273	0.8442		3,270.0044	3,270.0044	0.1555		3,273.8916
Total	3.0328	2.6225	11.9781	0.0347	3.0649	0.0918	3.1567	0.8169	0.0609	0.8779		3,800.5740	3,800.5740	0.1658	9.7300e-003	3,807.6164

Hyatt Hotel Project - Santa Clara County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.58	5.81	1.12	2.72	0.00	11.80	0.39	0.00	16.78	1.38	0.00	4.86	4.86	2.19	26.73	4.88

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2020	6/1/2020	5	22	
2	Grading	Grading	6/2/2020	7/31/2020	5	44	
3	Paving	Paving	8/1/2020	9/1/2020	5	22	
4	Building Construction	Building Construction	9/2/2020	9/9/2022	5	528	
5	Architectural Coating	Architectural Coating	8/9/2022	9/1/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 76,104; Non-Residential Outdoor: 25,368; Striped Parking Area: 684 (Architectural Coating – sqft)

OffRoad Equipment

Hyatt Hotel Project - Santa Clara County, Summer

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
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
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Hyatt Hotel Project - Santa Clara County, Summer

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	11.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	874.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	27.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1074	0.0000	0.1074	0.0163	0.0000	0.0163			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.1074	1.6587	1.7661	0.0163	1.5419	1.5581		3,747.7049	3,747.7049	1.0580		3,774.1536

Hyatt Hotel Project - Santa Clara County, Summer

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.1100e-003	0.1422	0.0288	4.0000e-004	8.7400e-003	4.7000e-004	9.2100e-003	2.3900e-003	4.5000e-004	2.8400e-003		42.3385	42.3385	1.8800e-003		42.3856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
Total	0.0563	0.1742	0.4413	1.6100e-003	0.1320	1.2400e-003	0.1332	0.0351	1.1600e-003	0.0362		163.2395	163.2395	4.8400e-003		163.3605

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0398	0.0000	0.0398	6.0200e-003	0.0000	6.0200e-003			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.0398	1.6587	1.6985	6.0200e-003	1.5419	1.5479	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Hyatt Hotel Project - Santa Clara County, Summer

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.1100e-003	0.1422	0.0288	4.0000e-004	7.0200e-003	4.7000e-004	7.4900e-003	1.9700e-003	4.5000e-004	2.4200e-003		42.3385	42.3385	1.8800e-003		42.3856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.0954	7.7000e-004	0.0962	0.0259	7.1000e-004	0.0266		120.9010	120.9010	2.9600e-003		120.9749
Total	0.0563	0.1742	0.4413	1.6100e-003	0.1024	1.2400e-003	0.1036	0.0278	1.1600e-003	0.0290		163.2395	163.2395	4.8400e-003		163.3605

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5703	0.0000	6.5703	3.3702	0.0000	3.3702			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5703	1.2734	7.8437	3.3702	1.1716	4.5418		2,872.4851	2,872.4851	0.9290		2,895.7106

Hyatt Hotel Project - Santa Clara County, Summer

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1632	5.6484	1.1437	0.0158	0.3472	0.0186	0.3658	0.0951	0.0178	0.1129		1,681.9929	1,681.9929	0.0749		1,683.8644
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
Total	0.2153	5.6805	1.5562	0.0170	0.4704	0.0194	0.4897	0.1278	0.0185	0.1463		1,802.8939	1,802.8939	0.0778		1,804.8394

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4343	0.0000	2.4343	1.2487	0.0000	1.2487			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.4343	1.2734	3.7077	1.2487	1.1716	2.4202	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Hyatt Hotel Project - Santa Clara County, Summer

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1632	5.6484	1.1437	0.0158	0.2789	0.0186	0.2975	0.0784	0.0178	0.0962		1,681.9929	1,681.9929	0.0749		1,683.8644
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.0954	7.7000e-004	0.0962	0.0259	7.1000e-004	0.0266		120.9010	120.9010	2.9600e-003		120.9749
Total	0.2153	5.6805	1.5562	0.0170	0.3743	0.0194	0.3936	0.1042	0.0185	0.1227		1,802.8939	1,802.8939	0.0778		1,804.8394

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005		1,804.7070	1,804.7070	0.5670		1,818.8830
Paving	3.5700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1873	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005		1,804.7070	1,804.7070	0.5670		1,818.8830

Hyatt Hotel Project - Santa Clara County, Summer

3.4 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0695	0.0427	0.5501	1.6200e-003	0.1643	1.0200e-003	0.1653	0.0436	9.4000e-004	0.0445		161.2013	161.2013	3.9400e-003		161.2999
Total	0.0695	0.0427	0.5501	1.6200e-003	0.1643	1.0200e-003	0.1653	0.0436	9.4000e-004	0.0445		161.2013	161.2013	3.9400e-003		161.2999

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1837	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005	0.0000	1,804.7070	1,804.7070	0.5670		1,818.8830
Paving	3.5700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1873	11.8015	12.2823	0.0189		0.6509	0.6509		0.6005	0.6005	0.0000	1,804.7070	1,804.7070	0.5670		1,818.8830

Hyatt Hotel Project - Santa Clara County, Summer

3.4 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0695	0.0427	0.5501	1.6200e-003	0.1272	1.0200e-003	0.1282	0.0345	9.4000e-004	0.0354		161.2013	161.2013	3.9400e-003		161.2999
Total	0.0695	0.0427	0.5501	1.6200e-003	0.1272	1.0200e-003	0.1282	0.0345	9.4000e-004	0.0354		161.2013	161.2013	3.9400e-003		161.2999

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Hyatt Hotel Project - Santa Clara County, Summer

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0389	1.1246	0.2848	2.7600e-003	0.0677	5.6000e-003	0.0733	0.0195	5.3600e-003	0.0249		291.2989	291.2989	0.0128		291.6184
Worker	0.0939	0.0576	0.7426	2.1800e-003	0.2218	1.3800e-003	0.2232	0.0588	1.2700e-003	0.0601		217.6217	217.6217	5.3300e-003		217.7549
Total	0.1327	1.1822	1.0274	4.9400e-003	0.2895	6.9800e-003	0.2965	0.0783	6.6300e-003	0.0850		508.9206	508.9206	0.0181		509.3732

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Hyatt Hotel Project - Santa Clara County, Summer

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0389	1.1246	0.2848	2.7600e-003	0.0552	5.6000e-003	0.0608	0.0164	5.3600e-003	0.0218		291.2989	291.2989	0.0128		291.6184
Worker	0.0939	0.0576	0.7426	2.1800e-003	0.1717	1.3800e-003	0.1731	0.0465	1.2700e-003	0.0478		217.6217	217.6217	5.3300e-003		217.7549
Total	0.1327	1.1822	1.0274	4.9400e-003	0.2268	6.9800e-003	0.2338	0.0629	6.6300e-003	0.0696		508.9206	508.9206	0.0181		509.3732

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Hyatt Hotel Project - Santa Clara County, Summer

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0319	1.0166	0.2562	2.7300e-003	0.0677	2.2500e-003	0.0700	0.0195	2.1500e-003	0.0216		288.6193	288.6193	0.0120		288.9200
Worker	0.0870	0.0515	0.6804	2.1100e-003	0.2218	1.3500e-003	0.2232	0.0588	1.2400e-003	0.0601		210.0629	210.0629	4.7700e-003		210.1823
Total	0.1188	1.0681	0.9366	4.8400e-003	0.2895	3.6000e-003	0.2931	0.0783	3.3900e-003	0.0817		498.6822	498.6822	0.0168		499.1022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Hyatt Hotel Project - Santa Clara County, Summer

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0319	1.0166	0.2562	2.7300e-003	0.0552	2.2500e-003	0.0574	0.0164	2.1500e-003	0.0186		288.6193	288.6193	0.0120		288.9200
Worker	0.0870	0.0515	0.6804	2.1100e-003	0.1717	1.3500e-003	0.1730	0.0465	1.2400e-003	0.0478		210.0629	210.0629	4.7700e-003		210.1823
Total	0.1188	1.0681	0.9366	4.8400e-003	0.2268	3.6000e-003	0.2304	0.0629	3.3900e-003	0.0663		498.6822	498.6822	0.0168		499.1022

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Hyatt Hotel Project - Santa Clara County, Summer

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0297	0.9617	0.2413	2.7000e-003	0.0677	1.9500e-003	0.0697	0.0195	1.8700e-003	0.0214		285.8780	285.8780	0.0115		286.1652
Worker	0.0810	0.0462	0.6270	2.0300e-003	0.2218	1.3200e-003	0.2231	0.0588	1.2100e-003	0.0600		202.4246	202.4246	4.2900e-003		202.5318
Total	0.1108	1.0079	0.8683	4.7300e-003	0.2895	3.2700e-003	0.2928	0.0783	3.0800e-003	0.0814		488.3026	488.3026	0.0158		488.6970

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Hyatt Hotel Project - Santa Clara County, Summer

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0297	0.9617	0.2413	2.7000e-003	0.0552	1.9500e-003	0.0571	0.0164	1.8700e-003	0.0183		285.8780	285.8780	0.0115		286.1652
Worker	0.0810	0.0462	0.6270	2.0300e-003	0.1717	1.3200e-003	0.1730	0.0465	1.2100e-003	0.0477		202.4246	202.4246	4.2900e-003		202.5318
Total	0.1108	1.0079	0.8683	4.7300e-003	0.2268	3.2700e-003	0.2301	0.0629	3.0800e-003	0.0660		488.3026	488.3026	0.0158		488.6970

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.8639	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Hyatt Hotel Project - Santa Clara County, Summer

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0150	8.5600e-003	0.1161	3.8000e-004	0.0411	2.4000e-004	0.0413	0.0109	2.2000e-004	0.0111		37.4860	37.4860	7.9000e-004		37.5059
Total	0.0150	8.5600e-003	0.1161	3.8000e-004	0.0411	2.4000e-004	0.0413	0.0109	2.2000e-004	0.0111		37.4860	37.4860	7.9000e-004		37.5059

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6594					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.8639	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Hyatt Hotel Project - Santa Clara County, Summer

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0150	8.5600e-003	0.1161	3.8000e-004	0.0318	2.4000e-004	0.0320	8.6200e-003	2.2000e-004	8.8400e-003		37.4860	37.4860	7.9000e-004		37.5059
Total	0.0150	8.5600e-003	0.1161	3.8000e-004	0.0318	2.4000e-004	0.0320	8.6200e-003	2.2000e-004	8.8400e-003		37.4860	37.4860	7.9000e-004		37.5059

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Hyatt Hotel Project - Santa Clara County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7465	2.1802	11.5894	0.0320	3.0649	0.0582	3.1231	0.8169	0.0273	0.8442		3,270.004 4	3,270.004 4	0.1555		3,273.891 6
Unmitigated	1.7465	2.1802	11.5894	0.0320	3.0649	0.0582	3.1231	0.8169	0.0273	0.8442		3,270.004 4	3,270.004 4	0.1555		3,273.891 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	764.40	764.40	764.40	1,452,307	1,452,307
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Total	764.40	764.40	764.40	1,452,307	1,452,307

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

Hyatt Hotel Project - Santa Clara County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Hotel	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Parking Lot	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Recreational Swimming Pool	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0486	0.4421	0.3714	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.5326	530.5326	0.0102	9.7300e-003	533.6853
NaturalGas Unmitigated	0.0664	0.6038	0.5072	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.6131	724.6131	0.0139	0.0133	728.9191

Hyatt Hotel Project - Santa Clara County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	6159.21	0.0664	0.6038	0.5072	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.6131	724.6131	0.0139	0.0133	728.9191
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0664	0.6038	0.5072	3.6200e-003		0.0459	0.0459		0.0459	0.0459		724.6131	724.6131	0.0139	0.0133	728.9191

Hyatt Hotel Project - Santa Clara County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	4.50953	0.0486	0.4421	0.3714	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.5326	530.5326	0.0102	9.7300e-003	533.6853
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0486	0.4421	0.3714	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.5326	530.5326	0.0102	9.7300e-003	533.6853

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

Hyatt Hotel Project - Santa Clara County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Unmitigated	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0898					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

Hyatt Hotel Project - Santa Clara County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0898					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	1.2377	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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

Hyatt Hotel Project - Santa Clara County, Summer

Fire Pumps and Emergency Generators

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

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

Hyatt Hotel Project - Santa Clara County, Annual

Hyatt Hotel Project
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	60.00	Space	0.54	8,578.00	0
Parking Lot	3.00	Space	0.03	2,828.00	0
Hotel	105.00	Room	3.50	50,736.00	0
Recreational Swimming Pool	1.40	1000sqft	0.03	1,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	206.29	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Total CO2 emission factor from The Climate Registry. Available at: <https://www.theclimateregistry.org/our-members/cris-public-reports/>. Accessed: April 2020.

Land Use - Source: Shad Design Group, A Planning Application For: Hyatt Place, dated April 15, 2019.

Construction Phase - Per construction questionnaire

Off-road Equipment -

Off-road Equipment - Per construction questionnaire.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading -

Vehicle Trips - Per Hyatt Place Hotel Local Transportation Analysis dated September 24, 2019.

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Construction Off-road Equipment Mitigation - Per BAAQMD standards and regulations.

Area Mitigation - Per BAAQMD Regulation 8, Rule 3 (Architectural Coatings) and Regulation 6, Rule 3 (Wood-Burning Devices).

Energy Mitigation - % Improvement based on efficiency of 2019 Title 24 Standards compared to 2016 Title 24 Standards.

Waste Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

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tblConstructionPhase	NumDays	230.00	528.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	8.00	44.00
tblConstructionPhase	NumDays	18.00	22.00
tblGrading	MaterialExported	0.00	6,994.00
tblLandUse	LandUseSquareFeet	24,000.00	8,578.00
tblLandUse	LandUseSquareFeet	1,200.00	2,828.00
tblLandUse	LandUseSquareFeet	152,460.00	50,736.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	206.29
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tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	2.56	5.93
tblVehicleEF	HHD	1.00	0.53
tblVehicleEF	HHD	3.70	7.2190e-003
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tblVehicleEF	HHD	1,643.47	1,504.39
tblVehicleEF	HHD	11.51	0.07
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tblVehicleEF	HHD	19.48	2.06
tblVehicleEF	HHD	0.02	3.4950e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0300e-004	1.0000e-006
tblVehicleEF	HHD	0.02	3.3440e-003

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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	9.4000e-005	1.0000e-006
tblVehicleEF	HHD	1.0400e-004	3.0000e-006
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tblVehicleEF	HHD	6.4000e-005	2.0000e-006
tblVehicleEF	HHD	0.14	0.08
tblVehicleEF	HHD	4.9200e-004	9.7800e-004
tblVehicleEF	HHD	0.11	2.0000e-006
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tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	5.6370e-003	1.5900e-004
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tblVehicleEF	HHD	6.4000e-005	2.0000e-006
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tblVehicleEF	HHD	3.40	6.5890e-003

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tblVehicleEF	HHD	4,878.22	1,099.47
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0300e-004	1.0000e-006
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tblVehicleEF	HHD	8.8230e-003	8.8660e-003
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tblVehicleEF	HHD	9.4000e-005	1.0000e-006
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tblVehicleEF	HHD	6.0710e-003	1.7400e-004
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tblVehicleEF	HHD	4.7900e-004	9.7000e-004
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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.7200e-004	1.0000e-006

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tblVehicleEF	HHD	0.06	0.05
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tblVehicleEF	HHD	19.50	2.06
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
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tblVehicleEF	HHD	0.02	3.9140e-003
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tblVehicleEF	HHD	8.8230e-003	8.8660e-003

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tblVehicleEF	HHD	0.02	0.03
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tblVehicleEF	HHD	5.4000e-005	1.0000e-006
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tblVehicleEF	HHD	0.14	0.08
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tblVehicleEF	LDA	1.6890e-003	1.4970e-003
tblVehicleEF	LDA	2.2650e-003	1.8490e-003
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tblVehicleEF	LDA	0.03	0.04
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tblVehicleEF	LDA	6.1600e-004	5.3000e-004
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.09	0.27
tblVehicleEF	LDA	4.5670e-003	2.6610e-003
tblVehicleEF	LDA	5.1860e-003	0.04
tblVehicleEF	LDA	0.67	0.72
tblVehicleEF	LDA	1.05	1.77
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tblVehicleEF	LDA	1.6890e-003	1.4940e-003

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tblVehicleEF	LDA	1.6890e-003	1.4970e-003
tblVehicleEF	LDA	2.2650e-003	1.8490e-003
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tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.22
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tblVehicleEF	LDA	59.39	54.27
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.09	0.21
tblVehicleEF	LDA	1.6890e-003	1.4970e-003

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tblVehicleEF	LDA	2.2650e-003	1.8490e-003
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tblVehicleEF	LDA	0.01	0.02
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tblVehicleEF	LDA	6.2000e-004	5.3700e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.10	0.30
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tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.23	1.04
tblVehicleEF	LDT1	2.89	2.50
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tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	2.3880e-003	1.9370e-003
tblVehicleEF	LDT1	3.1640e-003	2.4520e-003

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tblVehicleEF	LDT1	2.1990e-003	1.7830e-003
tblVehicleEF	LDT1	2.9100e-003	2.2540e-003
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tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.66
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.1440e-003	2.9900e-003
tblVehicleEF	LDT1	7.7300e-004	6.3800e-004
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tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.66
tblVehicleEF	LDT1	0.21	0.40
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tblVehicleEF	LDT1	2.27	1.93
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tblVehicleEF	LDT1	72.25	63.32
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tblVehicleEF	LDT1	0.14	0.23
tblVehicleEF	LDT1	2.3880e-003	1.9340e-003
tblVehicleEF	LDT1	2.3880e-003	1.9370e-003
tblVehicleEF	LDT1	3.1640e-003	2.4520e-003

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tblVehicleEF	LDT1	2.1990e-003	1.7830e-003
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tblVehicleEF	LDT1	0.27	0.21
tblVehicleEF	LDT1	0.15	0.16
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.15	0.61
tblVehicleEF	LDT1	0.18	0.32
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tblVehicleEF	LDT1	72.25	65.30
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tblVehicleEF	LDT1	0.18	0.28
tblVehicleEF	LDT1	2.3880e-003	1.9370e-003
tblVehicleEF	LDT1	3.1640e-003	2.4520e-003
tblVehicleEF	LDT1	2.1990e-003	1.7830e-003

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tblVehicleEF	LDT1	2.9100e-003	2.2540e-003
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tblVehicleEF	LDT1	0.26	0.19
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tblVehicleEF	LDT1	0.22	0.41
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tblVehicleEF	LDT1	7.8200e-004	6.4600e-004
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tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.04	0.03
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tblVehicleEF	LDT1	0.24	0.45
tblVehicleEF	LDT2	5.9280e-003	3.5120e-003
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tblVehicleEF	LDT2	0.77	0.81
tblVehicleEF	LDT2	1.72	2.91
tblVehicleEF	LDT2	357.28	326.31
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tblVehicleEF	LDT2	1.5010e-003	1.3660e-003
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tblVehicleEF	LDT2	0.04	0.06
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tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.43
tblVehicleEF	LDT2	0.12	0.37
tblVehicleEF	LDT2	6.5840e-003	3.9540e-003
tblVehicleEF	LDT2	6.7950e-003	0.06
tblVehicleEF	LDT2	0.91	0.95
tblVehicleEF	LDT2	1.36	2.25
tblVehicleEF	LDT2	384.48	346.01
tblVehicleEF	LDT2	82.63	68.72
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.13	0.26
tblVehicleEF	LDT2	1.6320e-003	1.4810e-003
tblVehicleEF	LDT2	1.6320e-003	1.4840e-003
tblVehicleEF	LDT2	2.2340e-003	1.8240e-003
tblVehicleEF	LDT2	1.5010e-003	1.3660e-003
tblVehicleEF	LDT2	2.0540e-003	1.6770e-003

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tblVehicleEF	LDT2	0.10	0.14
tblVehicleEF	LDT2	0.13	0.14
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tblVehicleEF	LDT2	0.07	0.40
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tblVehicleEF	LDT2	8.4900e-004	6.8000e-004
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tblVehicleEF	LDT2	0.13	0.14
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.40
tblVehicleEF	LDT2	0.10	0.30
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tblVehicleEF	LDT2	2.02	3.41
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tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.15	0.32
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tblVehicleEF	LDT2	2.2340e-003	1.8240e-003
tblVehicleEF	LDT2	1.5010e-003	1.3660e-003
tblVehicleEF	LDT2	2.0540e-003	1.6770e-003
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tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.09	0.52
tblVehicleEF	LDT2	0.13	0.38
tblVehicleEF	LDT2	3.5340e-003	3.2050e-003
tblVehicleEF	LDT2	8.6100e-004	7.0200e-004
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.52
tblVehicleEF	LDT2	0.14	0.41
tblVehicleEF	LHD1	5.9570e-003	5.2220e-003
tblVehicleEF	LHD1	0.02	9.6590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.20	0.88
tblVehicleEF	LHD1	2.95	1.10
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	704.65	806.69
tblVehicleEF	LHD1	33.88	11.78
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.31	0.97
tblVehicleEF	LHD1	1.09	0.33
tblVehicleEF	LHD1	8.6000e-004	8.5200e-004
tblVehicleEF	LHD1	9.9630e-003	9.7670e-003

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tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0630e-003	2.6300e-004
tblVehicleEF	LHD1	8.2300e-004	8.1600e-004
tblVehicleEF	LHD1	2.4910e-003	2.4420e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7800e-004	2.4100e-004
tblVehicleEF	LHD1	2.8190e-003	1.9060e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4030e-003	1.0290e-003
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.30	0.08
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.9280e-003	7.8750e-003
tblVehicleEF	LHD1	3.9500e-004	1.1700e-004
tblVehicleEF	LHD1	2.8190e-003	1.9060e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.4030e-003	1.0290e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.33	0.09
tblVehicleEF	LHD1	5.9570e-003	5.2380e-003
tblVehicleEF	LHD1	0.02	9.9180e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.15	0.18

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tblVehicleEF	LHD1	1.22	0.90
tblVehicleEF	LHD1	2.73	1.02
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	704.65	806.73
tblVehicleEF	LHD1	33.88	11.63
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.25	0.92
tblVehicleEF	LHD1	1.02	0.31
tblVehicleEF	LHD1	8.6000e-004	8.5200e-004
tblVehicleEF	LHD1	9.9630e-003	9.7670e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0630e-003	2.6300e-004
tblVehicleEF	LHD1	8.2300e-004	8.1600e-004
tblVehicleEF	LHD1	2.4910e-003	2.4420e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7800e-004	2.4100e-004
tblVehicleEF	LHD1	6.3880e-003	4.5700e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9310e-003	2.2230e-003
tblVehicleEF	LHD1	0.13	0.11
tblVehicleEF	LHD1	0.32	0.54
tblVehicleEF	LHD1	0.29	0.07
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.9280e-003	7.8760e-003
tblVehicleEF	LHD1	3.9100e-004	1.1500e-004

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tblVehicleEF	LHD1	6.3880e-003	4.5700e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.9310e-003	2.2230e-003
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.32	0.54
tblVehicleEF	LHD1	0.31	0.08
tblVehicleEF	LHD1	5.9570e-003	5.2090e-003
tblVehicleEF	LHD1	0.02	9.4660e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.18
tblVehicleEF	LHD1	1.17	0.86
tblVehicleEF	LHD1	3.17	1.18
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	704.65	806.66
tblVehicleEF	LHD1	33.88	11.92
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.34	0.99
tblVehicleEF	LHD1	1.15	0.35
tblVehicleEF	LHD1	8.6000e-004	8.5200e-004
tblVehicleEF	LHD1	9.9630e-003	9.7670e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0630e-003	2.6300e-004
tblVehicleEF	LHD1	8.2300e-004	8.1600e-004
tblVehicleEF	LHD1	2.4910e-003	2.4420e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.7800e-004	2.4100e-004

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tblVehicleEF	LHD1	1.4130e-003	8.2000e-004
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.3200e-004	4.7900e-004
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.37	0.62
tblVehicleEF	LHD1	0.32	0.08
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.9270e-003	7.8750e-003
tblVehicleEF	LHD1	3.9900e-004	1.1800e-004
tblVehicleEF	LHD1	1.4130e-003	8.2000e-004
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	7.3200e-004	4.7900e-004
tblVehicleEF	LHD1	0.16	0.13
tblVehicleEF	LHD1	0.37	0.62
tblVehicleEF	LHD1	0.35	0.09
tblVehicleEF	LHD2	3.8320e-003	3.3780e-003
tblVehicleEF	LHD2	9.2950e-003	7.5330e-003
tblVehicleEF	LHD2	8.8580e-003	9.3380e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.37	0.67
tblVehicleEF	LHD2	14.07	14.12
tblVehicleEF	LHD2	720.29	789.89
tblVehicleEF	LHD2	25.14	8.25
tblVehicleEF	LHD2	0.11	0.10

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tblVehicleEF	LHD2	0.95	1.03
tblVehicleEF	LHD2	0.53	0.20
tblVehicleEF	LHD2	1.2990e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.7100e-004	1.3700e-004
tblVehicleEF	LHD2	1.2430e-003	1.3220e-003
tblVehicleEF	LHD2	2.6810e-003	2.6760e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.3300e-004	1.2600e-004
tblVehicleEF	LHD2	9.9400e-004	1.0200e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	5.0900e-004	5.5900e-004
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	1.3700e-004	1.3500e-004
tblVehicleEF	LHD2	7.0090e-003	7.6320e-003
tblVehicleEF	LHD2	2.7600e-004	8.2000e-005
tblVehicleEF	LHD2	9.9400e-004	1.0200e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.0900e-004	5.5900e-004
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.09	0.29
tblVehicleEF	LHD2	0.13	0.05

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tblVehicleEF	LHD2	3.8320e-003	3.3880e-003
tblVehicleEF	LHD2	9.4580e-003	7.6330e-003
tblVehicleEF	LHD2	8.3680e-003	8.7850e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.64	0.68
tblVehicleEF	LHD2	1.27	0.62
tblVehicleEF	LHD2	14.07	14.12
tblVehicleEF	LHD2	720.29	789.90
tblVehicleEF	LHD2	25.14	8.16
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	0.91	0.99
tblVehicleEF	LHD2	0.50	0.19
tblVehicleEF	LHD2	1.2990e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.7100e-004	1.3700e-004
tblVehicleEF	LHD2	1.2430e-003	1.3220e-003
tblVehicleEF	LHD2	2.6810e-003	2.6760e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.3300e-004	1.2600e-004
tblVehicleEF	LHD2	2.2540e-003	2.4350e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0660e-003	1.1990e-003
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.09	0.28

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tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	1.3700e-004	1.3500e-004
tblVehicleEF	LHD2	7.0090e-003	7.6330e-003
tblVehicleEF	LHD2	2.7500e-004	8.1000e-005
tblVehicleEF	LHD2	2.2540e-003	2.4350e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0660e-003	1.1990e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.09	0.28
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	3.8320e-003	3.3700e-003
tblVehicleEF	LHD2	9.1660e-003	7.4570e-003
tblVehicleEF	LHD2	9.2820e-003	9.7890e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.63	0.67
tblVehicleEF	LHD2	1.47	0.72
tblVehicleEF	LHD2	14.07	14.12
tblVehicleEF	LHD2	720.29	789.88
tblVehicleEF	LHD2	25.14	8.33
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	0.97	1.05
tblVehicleEF	LHD2	0.56	0.21
tblVehicleEF	LHD2	1.2990e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.7100e-004	1.3700e-004

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tblVehicleEF	LHD2	1.2430e-003	1.3220e-003
tblVehicleEF	LHD2	2.6810e-003	2.6760e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.3300e-004	1.2600e-004
tblVehicleEF	LHD2	5.0200e-004	4.5600e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.13	0.05
tblVehicleEF	LHD2	1.3700e-004	1.3500e-004
tblVehicleEF	LHD2	7.0090e-003	7.6320e-003
tblVehicleEF	LHD2	2.7800e-004	8.2000e-005
tblVehicleEF	LHD2	5.0200e-004	4.5600e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.10	0.33
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.16	0.26
tblVehicleEF	MCY	19.41	20.29
tblVehicleEF	MCY	10.14	9.06
tblVehicleEF	MCY	168.73	214.75
tblVehicleEF	MCY	45.97	62.08
tblVehicleEF	MCY	1.15	1.17
tblVehicleEF	MCY	0.32	0.27

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tblVehicleEF	MCY	1.9370e-003	2.0260e-003
tblVehicleEF	MCY	3.9880e-003	3.3190e-003
tblVehicleEF	MCY	1.8140e-003	1.8960e-003
tblVehicleEF	MCY	3.7640e-003	3.1300e-003
tblVehicleEF	MCY	0.91	0.83
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	0.50	0.49
tblVehicleEF	MCY	2.24	2.34
tblVehicleEF	MCY	0.63	2.24
tblVehicleEF	MCY	2.23	2.00
tblVehicleEF	MCY	2.0700e-003	2.1250e-003
tblVehicleEF	MCY	6.9100e-004	6.1400e-004
tblVehicleEF	MCY	0.91	0.83
tblVehicleEF	MCY	0.73	0.74
tblVehicleEF	MCY	0.50	0.49
tblVehicleEF	MCY	2.77	2.89
tblVehicleEF	MCY	0.63	2.24
tblVehicleEF	MCY	2.43	2.18
tblVehicleEF	MCY	0.43	0.33
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	18.69	19.28
tblVehicleEF	MCY	8.94	7.83
tblVehicleEF	MCY	168.73	212.79
tblVehicleEF	MCY	45.97	58.92
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.9370e-003	2.0260e-003

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tblVehicleEF	MCY	1.9370e-003	2.0260e-003
tblVehicleEF	MCY	3.9880e-003	3.3190e-003
tblVehicleEF	MCY	1.8140e-003	1.8960e-003
tblVehicleEF	MCY	3.7640e-003	3.1300e-003
tblVehicleEF	MCY	2.35	2.31
tblVehicleEF	MCY	0.95	0.97
tblVehicleEF	MCY	1.36	1.38
tblVehicleEF	MCY	2.16	2.24
tblVehicleEF	MCY	0.59	2.09
tblVehicleEF	MCY	1.87	1.64
tblVehicleEF	MCY	2.0560e-003	2.1060e-003
tblVehicleEF	MCY	6.6100e-004	5.8300e-004
tblVehicleEF	MCY	2.35	2.31
tblVehicleEF	MCY	0.95	0.97
tblVehicleEF	MCY	1.36	1.38
tblVehicleEF	MCY	2.67	2.77
tblVehicleEF	MCY	0.59	2.09
tblVehicleEF	MCY	2.03	1.78
tblVehicleEF	MCY	0.46	0.35
tblVehicleEF	MCY	0.19	0.30
tblVehicleEF	MCY	20.95	21.99
tblVehicleEF	MCY	11.55	10.38
tblVehicleEF	MCY	168.73	217.81
tblVehicleEF	MCY	45.97	65.29
tblVehicleEF	MCY	1.24	1.25
tblVehicleEF	MCY	0.34	0.29
tblVehicleEF	MCY	1.9370e-003	2.0260e-003

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tblVehicleEF	MCY	3.9880e-003	3.3190e-003
tblVehicleEF	MCY	1.8140e-003	1.8960e-003
tblVehicleEF	MCY	3.7640e-003	3.1300e-003
tblVehicleEF	MCY	0.40	0.27
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	0.19	0.17
tblVehicleEF	MCY	2.34	2.45
tblVehicleEF	MCY	0.75	2.65
tblVehicleEF	MCY	2.59	2.34
tblVehicleEF	MCY	2.0980e-003	2.1550e-003
tblVehicleEF	MCY	7.2500e-004	6.4600e-004
tblVehicleEF	MCY	0.40	0.27
tblVehicleEF	MCY	0.88	0.88
tblVehicleEF	MCY	0.19	0.17
tblVehicleEF	MCY	2.88	3.01
tblVehicleEF	MCY	0.75	2.65
tblVehicleEF	MCY	2.81	2.54
tblVehicleEF	MDV	0.01	4.3620e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.32	0.91
tblVehicleEF	MDV	3.27	3.35
tblVehicleEF	MDV	473.55	395.94
tblVehicleEF	MDV	107.62	84.33
tblVehicleEF	MDV	0.16	0.09
tblVehicleEF	MDV	0.29	0.36
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	2.5800e-003	2.0150e-003

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tblVehicleEF	MDV	1.7250e-003	1.4980e-003
tblVehicleEF	MDV	2.3740e-003	1.8530e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.25	0.43
tblVehicleEF	MDV	4.7450e-003	3.9140e-003
tblVehicleEF	MDV	1.1340e-003	8.3500e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.28	0.47
tblVehicleEF	MDV	0.01	4.9090e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.52	1.07
tblVehicleEF	MDV	2.59	2.58
tblVehicleEF	MDV	508.67	416.21
tblVehicleEF	MDV	107.62	82.86
tblVehicleEF	MDV	0.15	0.08
tblVehicleEF	MDV	0.26	0.32
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	2.5800e-003	2.0150e-003

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tblVehicleEF	MDV	1.7250e-003	1.4980e-003
tblVehicleEF	MDV	2.3740e-003	1.8530e-003
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.10	0.43
tblVehicleEF	MDV	0.21	0.35
tblVehicleEF	MDV	5.0990e-003	4.1140e-003
tblVehicleEF	MDV	1.1220e-003	8.2000e-004
tblVehicleEF	MDV	0.14	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.10	0.43
tblVehicleEF	MDV	0.23	0.39
tblVehicleEF	MDV	0.01	4.2210e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.31	0.90
tblVehicleEF	MDV	3.82	3.94
tblVehicleEF	MDV	467.76	393.47
tblVehicleEF	MDV	107.62	85.47
tblVehicleEF	MDV	0.18	0.10
tblVehicleEF	MDV	0.32	0.39
tblVehicleEF	MDV	1.8700e-003	1.6240e-003
tblVehicleEF	MDV	2.5800e-003	2.0150e-003
tblVehicleEF	MDV	1.7250e-003	1.4980e-003

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tblVehicleEF	MDV	2.3740e-003	1.8530e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.29	0.49
tblVehicleEF	MDV	4.6870e-003	3.8890e-003
tblVehicleEF	MDV	1.1440e-003	8.4600e-004
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.32	0.53
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.90	1.25
tblVehicleEF	MH	6.68	2.21
tblVehicleEF	MH	1,223.22	1,554.10
tblVehicleEF	MH	59.88	18.96
tblVehicleEF	MH	1.49	1.46
tblVehicleEF	MH	0.92	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.2930e-003	2.7900e-004
tblVehicleEF	MH	3.2150e-003	3.2750e-003

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tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.1890e-003	2.5700e-004
tblVehicleEF	MH	0.98	0.68
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.33	0.25
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.47
tblVehicleEF	MH	0.38	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.1500e-004	1.8800e-004
tblVehicleEF	MH	0.98	0.68
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.33	0.25
tblVehicleEF	MH	0.17	0.10
tblVehicleEF	MH	0.02	1.47
tblVehicleEF	MH	0.42	0.11
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.03	1.30
tblVehicleEF	MH	6.05	2.00
tblVehicleEF	MH	1,223.22	1,554.19
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tblVehicleEF	MH	1.40	1.38
tblVehicleEF	MH	0.86	0.23
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tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.03	0.03

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tblVehicleEF	MH	1.2930e-003	2.7900e-004
tblVehicleEF	MH	3.2150e-003	3.2750e-003
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tblVehicleEF	MH	1.1890e-003	2.5700e-004
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tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.71	0.55
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tblVehicleEF	MH	0.02	1.43
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tblVehicleEF	MH	0.01	0.02
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tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.71	0.55
tblVehicleEF	MH	0.18	0.10
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.39	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.80	1.21
tblVehicleEF	MH	7.29	2.39
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tblVehicleEF	MH	1.54	1.50
tblVehicleEF	MH	0.97	0.26
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tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.2930e-003	2.7900e-004
tblVehicleEF	MH	3.2150e-003	3.2750e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.1890e-003	2.5700e-004
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tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.12	0.07
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.2600e-004	1.9100e-004
tblVehicleEF	MH	0.48	0.28
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.17	0.10
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tblVehicleEF	MH	0.45	0.12
tblVehicleEF	MHD	0.02	3.2640e-003
tblVehicleEF	MHD	6.6980e-003	5.3690e-003
tblVehicleEF	MHD	0.06	8.9190e-003
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tblVehicleEF	MHD	0.47	0.46
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tblVehicleEF	MHD	1,206.00	1,117.54

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tblVehicleEF	MHD	62.24	8.63
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tblVehicleEF	MHD	1.63	2.01
tblVehicleEF	MHD	10.30	1.41
tblVehicleEF	MHD	8.2700e-004	1.2650e-003
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tblVehicleEF	MHD	6.8990e-003	0.03
tblVehicleEF	MHD	9.1100e-004	9.9000e-005
tblVehicleEF	MHD	1.0740e-003	3.8100e-004
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.3000e-004	2.0800e-004
tblVehicleEF	MHD	0.06	0.09
tblVehicleEF	MHD	0.03	0.11
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tblVehicleEF	MHD	1.3170e-003	7.6300e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4900e-004	8.5000e-005
tblVehicleEF	MHD	1.0740e-003	3.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	5.3000e-004	2.0800e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.03	0.11
tblVehicleEF	MHD	0.47	0.05

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tblVehicleEF	MHD	0.02	3.0750e-003
tblVehicleEF	MHD	6.8520e-003	5.4360e-003
tblVehicleEF	MHD	0.05	8.3590e-003
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tblVehicleEF	MHD	0.48	0.47
tblVehicleEF	MHD	6.66	0.99
tblVehicleEF	MHD	144.99	81.39
tblVehicleEF	MHD	1,206.00	1,117.55
tblVehicleEF	MHD	62.24	8.47
tblVehicleEF	MHD	0.59	0.60
tblVehicleEF	MHD	1.56	1.93
tblVehicleEF	MHD	10.24	1.41
tblVehicleEF	MHD	6.9700e-004	1.0700e-003
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	9.9100e-004	1.0800e-004
tblVehicleEF	MHD	6.6700e-004	1.0240e-003
tblVehicleEF	MHD	6.8990e-003	0.03
tblVehicleEF	MHD	9.1100e-004	9.9000e-005
tblVehicleEF	MHD	2.5110e-003	9.3000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1770e-003	4.6800e-004
tblVehicleEF	MHD	0.06	0.09
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.40	0.05
tblVehicleEF	MHD	1.3950e-003	7.7200e-004

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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3900e-004	8.4000e-005
tblVehicleEF	MHD	2.5110e-003	9.3000e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.1770e-003	4.6800e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.02	0.11
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	0.02	3.4530e-003
tblVehicleEF	MHD	6.5800e-003	5.3210e-003
tblVehicleEF	MHD	0.06	9.3510e-003
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tblVehicleEF	MHD	0.46	0.46
tblVehicleEF	MHD	7.79	1.16
tblVehicleEF	MHD	125.70	79.37
tblVehicleEF	MHD	1,206.00	1,117.53
tblVehicleEF	MHD	62.24	8.77
tblVehicleEF	MHD	0.55	0.60
tblVehicleEF	MHD	1.66	2.05
tblVehicleEF	MHD	10.36	1.42
tblVehicleEF	MHD	1.0060e-003	1.5350e-003
tblVehicleEF	MHD	7.2180e-003	0.04
tblVehicleEF	MHD	9.9100e-004	1.0800e-004
tblVehicleEF	MHD	9.6300e-004	1.4690e-003
tblVehicleEF	MHD	6.8990e-003	0.03
tblVehicleEF	MHD	9.1100e-004	9.9000e-005

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tblVehicleEF	MHD	5.2400e-004	1.6600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	2.6600e-004	9.4000e-005
tblVehicleEF	MHD	0.06	0.09
tblVehicleEF	MHD	0.03	0.13
tblVehicleEF	MHD	0.45	0.05
tblVehicleEF	MHD	1.2130e-003	7.5200e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.5800e-004	8.7000e-005
tblVehicleEF	MHD	5.2400e-004	1.6600e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	2.6600e-004	9.4000e-005
tblVehicleEF	MHD	0.07	0.10
tblVehicleEF	MHD	0.03	0.13
tblVehicleEF	MHD	0.50	0.06
tblVehicleEF	OBUS	0.01	7.7420e-003
tblVehicleEF	OBUS	9.3020e-003	7.5640e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.58
tblVehicleEF	OBUS	0.58	0.76
tblVehicleEF	OBUS	5.50	2.17
tblVehicleEF	OBUS	110.36	97.18
tblVehicleEF	OBUS	1,314.27	1,420.90
tblVehicleEF	OBUS	67.24	17.13
tblVehicleEF	OBUS	0.58	0.48

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tblVehicleEF	OBUS	1.90	1.77
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tblVehicleEF	OBUS	2.0100e-004	7.9000e-004
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	7.5500e-004	1.6000e-004
tblVehicleEF	OBUS	1.9200e-004	7.5500e-004
tblVehicleEF	OBUS	8.5580e-003	0.02
tblVehicleEF	OBUS	6.9400e-004	1.4700e-004
tblVehicleEF	OBUS	1.1920e-003	1.1980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	5.1400e-004	5.5800e-004
tblVehicleEF	OBUS	0.08	0.07
tblVehicleEF	OBUS	0.03	0.21
tblVehicleEF	OBUS	0.35	0.10
tblVehicleEF	OBUS	1.0650e-003	9.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.7000e-004
tblVehicleEF	OBUS	1.1920e-003	1.1980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	5.1400e-004	5.5800e-004
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.03	0.21
tblVehicleEF	OBUS	0.38	0.11
tblVehicleEF	OBUS	0.01	7.8070e-003
tblVehicleEF	OBUS	9.5280e-003	7.7730e-003

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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
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tblVehicleEF	OBUS	5.02	1.97
tblVehicleEF	OBUS	115.93	97.00
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tblVehicleEF	OBUS	1.6900e-004	6.7100e-004
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	7.5500e-004	1.6000e-004
tblVehicleEF	OBUS	1.6200e-004	6.4200e-004
tblVehicleEF	OBUS	8.5580e-003	0.02
tblVehicleEF	OBUS	6.9400e-004	1.4700e-004
tblVehicleEF	OBUS	2.6670e-003	2.7590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.0870e-003	1.1870e-003
tblVehicleEF	OBUS	0.08	0.07
tblVehicleEF	OBUS	0.03	0.20
tblVehicleEF	OBUS	0.32	0.10
tblVehicleEF	OBUS	1.1180e-003	9.2200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6100e-004	1.6600e-004

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tblVehicleEF	OBUS	2.6670e-003	2.7590e-003
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0870e-003	1.1870e-003
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tblVehicleEF	OBUS	0.03	0.20
tblVehicleEF	OBUS	0.35	0.10
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tblVehicleEF	OBUS	9.1270e-003	7.4140e-003
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tblVehicleEF	OBUS	0.30	0.60
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tblVehicleEF	OBUS	102.66	97.42
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tblVehicleEF	OBUS	8.9640e-003	0.02
tblVehicleEF	OBUS	7.5500e-004	1.6000e-004
tblVehicleEF	OBUS	2.3400e-004	9.1200e-004
tblVehicleEF	OBUS	8.5580e-003	0.02
tblVehicleEF	OBUS	6.9400e-004	1.4700e-004
tblVehicleEF	OBUS	6.3700e-004	6.0000e-004
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.04	0.05
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tblVehicleEF	OBUS	7.7600e-004	1.7200e-004
tblVehicleEF	OBUS	6.3700e-004	6.0000e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	2.9000e-004	2.7000e-004
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.03	0.23
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tblVehicleEF	SBUS	0.02	5.6540e-003
tblVehicleEF	SBUS	0.09	3.8850e-003
tblVehicleEF	SBUS	8.04	1.93
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tblVehicleEF	SBUS	1,134.67	338.21
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tblVehicleEF	SBUS	9.77	3.26
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tblVehicleEF	SBUS	0.01	3.3880e-003
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tblVehicleEF	SBUS	0.02	0.03
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tblVehicleEF	SBUS	0.01	3.2410e-003
tblVehicleEF	SBUS	2.6420e-003	2.7590e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.9500e-004	3.8000e-005
tblVehicleEF	SBUS	3.7040e-003	3.4700e-004
tblVehicleEF	SBUS	0.04	3.5450e-003
tblVehicleEF	SBUS	0.97	0.20
tblVehicleEF	SBUS	1.4870e-003	1.4800e-004
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tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.53	0.02
tblVehicleEF	SBUS	0.01	3.2150e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2400e-004	3.2000e-005
tblVehicleEF	SBUS	3.7040e-003	3.4700e-004
tblVehicleEF	SBUS	0.04	3.5450e-003
tblVehicleEF	SBUS	1.39	0.29
tblVehicleEF	SBUS	1.4870e-003	1.4800e-004
tblVehicleEF	SBUS	0.16	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.58	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.02	5.7440e-003

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tblVehicleEF	SBUS	0.08	3.2670e-003
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tblVehicleEF	SBUS	1,066.60	1,050.83
tblVehicleEF	SBUS	54.09	3.00
tblVehicleEF	SBUS	10.08	3.32
tblVehicleEF	SBUS	4.22	4.29
tblVehicleEF	SBUS	12.50	0.95
tblVehicleEF	SBUS	8.8720e-003	2.8640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6500e-004	4.1000e-005
tblVehicleEF	SBUS	8.4880e-003	2.7400e-003
tblVehicleEF	SBUS	2.6420e-003	2.7590e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.9500e-004	3.8000e-005
tblVehicleEF	SBUS	8.3470e-003	7.9700e-004
tblVehicleEF	SBUS	0.04	3.7310e-003
tblVehicleEF	SBUS	0.96	0.20
tblVehicleEF	SBUS	3.1820e-003	3.2900e-004
tblVehicleEF	SBUS	0.13	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.44	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003

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tblVehicleEF	SBUS	0.01	0.01
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tblVehicleEF	SBUS	0.04	3.7310e-003
tblVehicleEF	SBUS	1.39	0.29
tblVehicleEF	SBUS	3.1820e-003	3.2900e-004
tblVehicleEF	SBUS	0.16	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.48	0.02
tblVehicleEF	SBUS	0.86	0.04
tblVehicleEF	SBUS	0.02	5.5880e-003
tblVehicleEF	SBUS	0.10	4.3860e-003
tblVehicleEF	SBUS	8.20	1.98
tblVehicleEF	SBUS	1.22	0.46
tblVehicleEF	SBUS	13.43	0.72
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tblVehicleEF	SBUS	1,066.60	1,050.80
tblVehicleEF	SBUS	54.09	3.49
tblVehicleEF	SBUS	9.34	3.17
tblVehicleEF	SBUS	4.50	4.55
tblVehicleEF	SBUS	12.61	0.96
tblVehicleEF	SBUS	0.01	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.6500e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9320e-003
tblVehicleEF	SBUS	2.6420e-003	2.7590e-003

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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.9500e-004	3.8000e-005
tblVehicleEF	SBUS	1.9750e-003	1.7400e-004
tblVehicleEF	SBUS	0.04	3.6610e-003
tblVehicleEF	SBUS	0.97	0.20
tblVehicleEF	SBUS	8.4200e-004	7.3000e-005
tblVehicleEF	SBUS	0.12	0.08
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.60	0.02
tblVehicleEF	SBUS	0.01	3.1090e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.7000e-004	3.5000e-005
tblVehicleEF	SBUS	1.9750e-003	1.7400e-004
tblVehicleEF	SBUS	0.04	3.6610e-003
tblVehicleEF	SBUS	1.40	0.29
tblVehicleEF	SBUS	8.4200e-004	7.3000e-005
tblVehicleEF	SBUS	0.15	0.09
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.66	0.03
tblVehicleEF	UBUS	0.28	1.18
tblVehicleEF	UBUS	0.04	6.0740e-003
tblVehicleEF	UBUS	5.43	8.63
tblVehicleEF	UBUS	8.06	0.42
tblVehicleEF	UBUS	2,118.14	1,677.32
tblVehicleEF	UBUS	94.20	4.78
tblVehicleEF	UBUS	11.45	1.27
tblVehicleEF	UBUS	15.24	0.05

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tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	1.0370e-003	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.25	5.3910e-003
tblVehicleEF	UBUS	9.5300e-004	2.5000e-005
tblVehicleEF	UBUS	2.2720e-003	2.6300e-004
tblVehicleEF	UBUS	0.04	3.9700e-003
tblVehicleEF	UBUS	1.0590e-003	1.6700e-004
tblVehicleEF	UBUS	0.72	0.02
tblVehicleEF	UBUS	8.0440e-003	0.03
tblVehicleEF	UBUS	0.55	0.03
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.0850e-003	4.7000e-005
tblVehicleEF	UBUS	2.2720e-003	2.6300e-004
tblVehicleEF	UBUS	0.04	3.9700e-003
tblVehicleEF	UBUS	1.0590e-003	1.6700e-004
tblVehicleEF	UBUS	1.05	1.21
tblVehicleEF	UBUS	8.0440e-003	0.03
tblVehicleEF	UBUS	0.61	0.03
tblVehicleEF	UBUS	0.28	1.18
tblVehicleEF	UBUS	0.04	5.3780e-003
tblVehicleEF	UBUS	5.50	8.63
tblVehicleEF	UBUS	6.40	0.34
tblVehicleEF	UBUS	2,118.14	1,677.32

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tblVehicleEF	UBUS	94.20	4.64
tblVehicleEF	UBUS	10.98	1.26
tblVehicleEF	UBUS	15.18	0.05
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	1.0370e-003	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.25	5.3910e-003
tblVehicleEF	UBUS	9.5300e-004	2.5000e-005
tblVehicleEF	UBUS	5.4590e-003	6.0100e-004
tblVehicleEF	UBUS	0.05	4.3910e-003
tblVehicleEF	UBUS	2.5450e-003	3.5500e-004
tblVehicleEF	UBUS	0.73	0.02
tblVehicleEF	UBUS	7.4030e-003	0.02
tblVehicleEF	UBUS	0.48	0.02
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.0570e-003	4.6000e-005
tblVehicleEF	UBUS	5.4590e-003	6.0100e-004
tblVehicleEF	UBUS	0.05	4.3910e-003
tblVehicleEF	UBUS	2.5450e-003	3.5500e-004
tblVehicleEF	UBUS	1.07	1.21
tblVehicleEF	UBUS	7.4030e-003	0.02
tblVehicleEF	UBUS	0.53	0.03
tblVehicleEF	UBUS	0.27	1.18

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tblVehicleEF	UBUS	0.05	6.6480e-003
tblVehicleEF	UBUS	5.39	8.63
tblVehicleEF	UBUS	9.65	0.50
tblVehicleEF	UBUS	2,118.14	1,677.32
tblVehicleEF	UBUS	94.20	4.90
tblVehicleEF	UBUS	11.63	1.27
tblVehicleEF	UBUS	15.29	0.05
tblVehicleEF	UBUS	0.62	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.26	5.6370e-003
tblVehicleEF	UBUS	1.0370e-003	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.25	5.3910e-003
tblVehicleEF	UBUS	9.5300e-004	2.5000e-005
tblVehicleEF	UBUS	1.1910e-003	1.3200e-004
tblVehicleEF	UBUS	0.05	4.0910e-003
tblVehicleEF	UBUS	5.3700e-004	7.8000e-005
tblVehicleEF	UBUS	0.71	0.02
tblVehicleEF	UBUS	9.8390e-003	0.03
tblVehicleEF	UBUS	0.62	0.03
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.1120e-003	4.9000e-005
tblVehicleEF	UBUS	1.1910e-003	1.3200e-004
tblVehicleEF	UBUS	0.05	4.0910e-003
tblVehicleEF	UBUS	5.3700e-004	7.8000e-005
tblVehicleEF	UBUS	1.04	1.21

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tblVehicleEF	UBUS	9.8390e-003	0.03
tblVehicleEF	UBUS	0.68	0.03
tblVehicleTrips	ST_TR	8.19	7.28
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	5.95	7.28
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	8.17	7.28
tblVehicleTrips	WD_TR	33.82	0.00

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					
2020	0.2068	2.0926	1.5472	3.0700e-003	0.1711	0.1028	0.2739	0.0812	0.0958	0.1770	0.0000	271.4613	271.4613	0.0617	0.0000	273.0042
2021	0.2632	2.4165	2.2794	4.1200e-003	0.0365	0.1256	0.1621	9.9100e-003	0.1181	0.1280	0.0000	359.2232	359.2232	0.0749	0.0000	361.0964
2022	0.4322	1.5102	1.5643	2.8600e-003	0.0256	0.0739	0.0994	6.9300e-003	0.0695	0.0765	0.0000	249.5994	249.5994	0.0514	0.0000	250.8848
Maximum	0.4322	2.4165	2.2794	4.1200e-003	0.1711	0.1256	0.2739	0.0812	0.1181	0.1770	0.0000	359.2232	359.2232	0.0749	0.0000	361.0964

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2068	2.0926	1.5472	3.0700e-003	0.0740	0.1028	0.1768	0.0331	0.0958	0.1289	0.0000	271.4610	271.4610	0.0617	0.0000	273.0040
2021	0.2632	2.4165	2.2794	4.1200e-003	0.0287	0.1256	0.1543	7.9900e-003	0.1181	0.1261	0.0000	359.2229	359.2229	0.0749	0.0000	361.0961
2022	0.4322	1.5102	1.5643	2.8600e-003	0.0201	0.0739	0.0939	5.5800e-003	0.0695	0.0751	0.0000	249.5992	249.5992	0.0514	0.0000	250.8845
Maximum	0.4322	2.4165	2.2794	4.1200e-003	0.0740	0.1256	0.1768	0.0331	0.1181	0.1289	0.0000	359.2229	359.2229	0.0749	0.0000	361.0961

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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	47.37	0.00	20.63	52.40	0.00	13.47	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	5-1-2020	7-31-2020	1.1637	1.1637
2	8-1-2020	10-31-2020	0.6348	0.6348
3	11-1-2020	1-31-2021	0.7210	0.7210
4	2-1-2021	4-30-2021	0.6528	0.6528
5	5-1-2021	7-31-2021	0.6742	0.6742
6	8-1-2021	10-31-2021	0.6745	0.6745
7	11-1-2021	1-31-2022	0.6521	0.6521
8	2-1-2022	4-30-2022	0.5867	0.5867
9	5-1-2022	7-31-2022	0.6059	0.6059
10	8-1-2022	9-30-2022	0.5317	0.5317
		Highest	1.1637	1.1637

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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	0.2257	1.0000e-005	1.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0300e-003	3.0300e-003	1.0000e-005	0.0000	3.2300e-003
Energy	0.0121	0.1102	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003	0.0000	160.9396	160.9396	8.0600e-003	3.3900e-003	162.1516
Mobile	0.2963	0.4237	2.0986	5.5300e-003	0.5387	5.2900e-003	0.5440	0.1440	4.9600e-003	0.1490	0.0000	512.7834	512.7834	0.0279	0.0000	513.4820
Waste						0.0000	0.0000		0.0000	0.0000	13.2898	0.0000	13.2898	0.7854	0.0000	32.9250
Water						0.0000	0.0000		0.0000	0.0000	0.8713	1.5040	2.3753	0.0897	2.1600e-003	5.2605
Total	0.5341	0.5340	2.1927	6.1900e-003	0.5387	0.0137	0.5524	0.1440	0.0134	0.1574	14.1611	675.2301	689.3912	0.9111	5.5500e-003	713.8223

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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	0.2257	1.0000e-005	1.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0300e-003	3.0300e-003	1.0000e-005	0.0000	3.2300e-003
Energy	8.8800e-003	0.0807	0.0678	4.8000e-004		6.1300e-003	6.1300e-003		6.1300e-003	6.1300e-003	0.0000	124.9438	124.9438	6.9000e-003	2.6900e-003	125.9178
Mobile	0.2963	0.4237	2.0986	5.5300e-003	0.5387	5.2900e-003	0.5440	0.1440	4.9600e-003	0.1490	0.0000	512.7834	512.7834	0.0279	0.0000	513.4820
Waste						0.0000	0.0000		0.0000	0.0000	6.6449	0.0000	6.6449	0.3927	0.0000	16.4625
Water						0.0000	0.0000		0.0000	0.0000	0.8713	1.5040	2.3753	0.0897	2.1600e-003	5.2605
Total	0.5309	0.5044	2.1679	6.0100e-003	0.5387	0.0114	0.5502	0.1440	0.0111	0.1551	7.5162	639.2343	646.7505	0.5173	4.8500e-003	661.1260

	ROG	NOx	CO	SO2	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	0.61	5.53	1.13	2.91	0.00	16.45	0.41	0.00	16.85	1.43	46.92	5.33	6.19	43.23	12.61	7.38

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	5/1/2020	6/1/2020	5	22	
2	Grading	Grading	6/2/2020	7/31/2020	5	44	
3	Paving	Paving	8/1/2020	9/1/2020	5	22	
4	Building Construction	Building Construction	9/2/2020	9/9/2022	5	528	
5	Architectural Coating	Architectural Coating	8/9/2022	9/1/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 76,104; Non-Residential Outdoor: 25,368; Striped Parking Area: 684 (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
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
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	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
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	11.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	874.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	27.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1800e-003	0.0000	1.1800e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0364	0.3652	0.2393	4.3000e-004		0.0183	0.0183		0.0170	0.0170	0.0000	37.3985	37.3985	0.0106	0.0000	37.6624
Total	0.0364	0.3652	0.2393	4.3000e-004	1.1800e-003	0.0183	0.0194	1.8000e-004	0.0170	0.0171	0.0000	37.3985	37.3985	0.0106	0.0000	37.6624

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3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.6000e-003	3.3000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4195	0.4195	2.0000e-005	0.0000	0.4200
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	5.5000e-004	3.9000e-004	4.1300e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1223	1.1223	3.0000e-005	0.0000	1.1229
Total	6.0000e-004	1.9900e-003	4.4600e-003	1.0000e-005	1.4000e-003	2.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.5417	1.5417	5.0000e-005	0.0000	1.5429

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					4.4000e-004	0.0000	4.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0364	0.3652	0.2393	4.3000e-004		0.0183	0.0183		0.0170	0.0170	0.0000	37.3984	37.3984	0.0106	0.0000	37.6624
Total	0.0364	0.3652	0.2393	4.3000e-004	4.4000e-004	0.0183	0.0187	7.0000e-005	0.0170	0.0170	0.0000	37.3984	37.3984	0.0106	0.0000	37.6624

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3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.6000e-003	3.3000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.4195	0.4195	2.0000e-005	0.0000	0.4200
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	5.5000e-004	3.9000e-004	4.1300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.8000e-004	1.0000e-005	2.8000e-004	0.0000	1.1223	1.1223	3.0000e-005	0.0000	1.1229
Total	6.0000e-004	1.9900e-003	4.4600e-003	1.0000e-005	1.0900e-003	2.0000e-005	1.1000e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.5417	1.5417	5.0000e-005	0.0000	1.5429

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1446	0.0000	0.1446	0.0741	0.0000	0.0741	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0534	0.5805	0.3532	6.5000e-004		0.0280	0.0280		0.0258	0.0258	0.0000	57.3292	57.3292	0.0185	0.0000	57.7928
Total	0.0534	0.5805	0.3532	6.5000e-004	0.1446	0.0280	0.1726	0.0741	0.0258	0.0999	0.0000	57.3292	57.3292	0.0185	0.0000	57.7928

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3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6300e-003	0.1268	0.0260	3.4000e-004	7.4100e-003	4.1000e-004	7.8200e-003	2.0400e-003	3.9000e-004	2.4300e-003	0.0000	33.3303	33.3303	1.5200e-003	0.0000	33.3685
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	1.1000e-003	7.9000e-004	8.2600e-003	2.0000e-005	2.6200e-003	2.0000e-005	2.6300e-003	7.0000e-004	2.0000e-005	7.1000e-004	0.0000	2.2445	2.2445	6.0000e-005	0.0000	2.2459
Total	4.7300e-003	0.1276	0.0342	3.6000e-004	0.0100	4.3000e-004	0.0105	2.7400e-003	4.1000e-004	3.1400e-003	0.0000	35.5748	35.5748	1.5800e-003	0.0000	35.6143

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					0.0536	0.0000	0.0536	0.0275	0.0000	0.0275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0534	0.5805	0.3532	6.5000e-004		0.0280	0.0280		0.0258	0.0258	0.0000	57.3292	57.3292	0.0185	0.0000	57.7927
Total	0.0534	0.5805	0.3532	6.5000e-004	0.0536	0.0280	0.0816	0.0275	0.0258	0.0532	0.0000	57.3292	57.3292	0.0185	0.0000	57.7927

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3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6300e-003	0.1268	0.0260	3.4000e-004	5.9700e-003	4.1000e-004	6.3800e-003	1.6800e-003	3.9000e-004	2.0800e-003	0.0000	33.3303	33.3303	1.5200e-003	0.0000	33.3685
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	1.1000e-003	7.9000e-004	8.2600e-003	2.0000e-005	2.0300e-003	2.0000e-005	2.0500e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.2445	2.2445	6.0000e-005	0.0000	2.2459
Total	4.7300e-003	0.1276	0.0342	3.6000e-004	8.0000e-003	4.3000e-004	8.4300e-003	2.2300e-003	4.1000e-004	2.6500e-003	0.0000	35.5748	35.5748	1.5800e-003	0.0000	35.6143

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0130	0.1298	0.1351	2.1000e-004		7.1600e-003	7.1600e-003		6.6100e-003	6.6100e-003	0.0000	18.0092	18.0092	5.6600e-003	0.0000	18.1507
Paving	4.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0131	0.1298	0.1351	2.1000e-004		7.1600e-003	7.1600e-003		6.6100e-003	6.6100e-003	0.0000	18.0092	18.0092	5.6600e-003	0.0000	18.1507

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3.4 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.3000e-004	5.5100e-003	2.0000e-005	1.7400e-003	1.0000e-005	1.7600e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4963	1.4963	4.0000e-005	0.0000	1.4973
Total	7.3000e-004	5.3000e-004	5.5100e-003	2.0000e-005	1.7400e-003	1.0000e-005	1.7600e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4963	1.4963	4.0000e-005	0.0000	1.4973

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	0.0130	0.1298	0.1351	2.1000e-004		7.1600e-003	7.1600e-003		6.6100e-003	6.6100e-003	0.0000	18.0092	18.0092	5.6600e-003	0.0000	18.1507
Paving	4.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0131	0.1298	0.1351	2.1000e-004		7.1600e-003	7.1600e-003		6.6100e-003	6.6100e-003	0.0000	18.0092	18.0092	5.6600e-003	0.0000	18.1507

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3.4 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.3000e-004	5.5100e-003	2.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.4963	1.4963	4.0000e-005	0.0000	1.4973
Total	7.3000e-004	5.3000e-004	5.5100e-003	2.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.4963	1.4963	4.0000e-005	0.0000	1.4973

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0922	0.8346	0.7329	1.1700e-003		0.0486	0.0486		0.0457	0.0457	0.0000	100.7503	100.7503	0.0246	0.0000	101.3648
Total	0.0922	0.8346	0.7329	1.1700e-003		0.0486	0.0486		0.0457	0.0457	0.0000	100.7503	100.7503	0.0246	0.0000	101.3648

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3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7200e-003	0.0495	0.0132	1.2000e-004	2.8600e-003	2.5000e-004	3.1100e-003	8.3000e-004	2.3000e-004	1.0600e-003	0.0000	11.3728	11.3728	5.2000e-004	0.0000	11.3858
Worker	3.9000e-003	2.8000e-003	0.0294	9.0000e-005	9.3200e-003	6.0000e-005	9.3800e-003	2.4800e-003	6.0000e-005	2.5300e-003	0.0000	7.9884	7.9884	2.0000e-004	0.0000	7.9933
Total	5.6200e-003	0.0523	0.0426	2.1000e-004	0.0122	3.1000e-004	0.0125	3.3100e-003	2.9000e-004	3.5900e-003	0.0000	19.3611	19.3611	7.2000e-004	0.0000	19.3791

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	0.0922	0.8346	0.7329	1.1700e-003		0.0486	0.0486		0.0457	0.0457	0.0000	100.7502	100.7502	0.0246	0.0000	101.3647
Total	0.0922	0.8346	0.7329	1.1700e-003		0.0486	0.0486		0.0457	0.0457	0.0000	100.7502	100.7502	0.0246	0.0000	101.3647

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3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7200e-003	0.0495	0.0132	1.2000e-004	2.3400e-003	2.5000e-004	2.5800e-003	7.0000e-004	2.3000e-004	9.3000e-004	0.0000	11.3728	11.3728	5.2000e-004	0.0000	11.3858
Worker	3.9000e-003	2.8000e-003	0.0294	9.0000e-005	7.2200e-003	6.0000e-005	7.2800e-003	1.9600e-003	6.0000e-005	2.0200e-003	0.0000	7.9884	7.9884	2.0000e-004	0.0000	7.9933
Total	5.6200e-003	0.0523	0.0426	2.1000e-004	9.5600e-003	3.1000e-004	9.8600e-003	2.6600e-003	2.9000e-004	2.9500e-003	0.0000	19.3611	19.3611	7.2000e-004	0.0000	19.3791

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2600e-003	0.1341	0.0357	3.5000e-004	8.5900e-003	3.0000e-004	8.8800e-003	2.4800e-003	2.8000e-004	2.7700e-003	0.0000	33.8033	33.8033	1.4700e-003	0.0000	33.8402
Worker	0.0109	7.5200e-003	0.0806	2.6000e-004	0.0280	1.8000e-004	0.0281	7.4300e-003	1.6000e-004	7.5900e-003	0.0000	23.1333	23.1333	5.3000e-004	0.0000	23.1464
Total	0.0151	0.1416	0.1163	6.1000e-004	0.0365	4.8000e-004	0.0370	9.9100e-003	4.4000e-004	0.0104	0.0000	56.9366	56.9366	2.0000e-003	0.0000	56.9866

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	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2600e-003	0.1341	0.0357	3.5000e-004	7.0100e-003	3.0000e-004	7.3100e-003	2.1000e-003	2.8000e-004	2.3800e-003	0.0000	33.8033	33.8033	1.4700e-003	0.0000	33.8402
Worker	0.0109	7.5200e-003	0.0806	2.6000e-004	0.0217	1.8000e-004	0.0218	5.8900e-003	1.6000e-004	6.0500e-003	0.0000	23.1333	23.1333	5.3000e-004	0.0000	23.1464
Total	0.0151	0.1416	0.1163	6.1000e-004	0.0287	4.8000e-004	0.0292	7.9900e-003	4.4000e-004	8.4300e-003	0.0000	56.9366	56.9366	2.0000e-003	0.0000	56.9866

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1536	1.4054	1.4727	2.4200e-003		0.0728	0.0728		0.0685	0.0685	0.0000	208.5527	208.5527	0.0500	0.0000	209.8018
Total	0.1536	1.4054	1.4727	2.4200e-003		0.0728	0.0728		0.0685	0.0685	0.0000	208.5527	208.5527	0.0500	0.0000	209.8018

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7400e-003	0.0874	0.0232	2.4000e-004	5.9200e-003	1.8000e-004	6.1000e-003	1.7100e-003	1.7000e-004	1.8800e-003	0.0000	23.0896	23.0896	9.7000e-004	0.0000	23.1139
Worker	6.9900e-003	4.6500e-003	0.0511	1.7000e-004	0.0193	1.2000e-004	0.0194	5.1300e-003	1.1000e-004	5.2300e-003	0.0000	15.3745	15.3745	3.3000e-004	0.0000	15.3826
Total	9.7300e-003	0.0921	0.0743	4.1000e-004	0.0252	3.0000e-004	0.0255	6.8400e-003	2.8000e-004	7.1100e-003	0.0000	38.4641	38.4641	1.3000e-003	0.0000	38.4965

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	0.1536	1.4054	1.4727	2.4200e-003		0.0728	0.0728		0.0685	0.0685	0.0000	208.5525	208.5525	0.0500	0.0000	209.8016
Total	0.1536	1.4054	1.4727	2.4200e-003		0.0728	0.0728		0.0685	0.0685	0.0000	208.5525	208.5525	0.0500	0.0000	209.8016

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7400e-003	0.0874	0.0232	2.4000e-004	4.8400e-003	1.8000e-004	5.0200e-003	1.4500e-003	1.7000e-004	1.6200e-003	0.0000	23.0896	23.0896	9.7000e-004	0.0000	23.1139
Worker	6.9900e-003	4.6500e-003	0.0511	1.7000e-004	0.0149	1.2000e-004	0.0151	4.0600e-003	1.1000e-004	4.1700e-003	0.0000	15.3745	15.3745	3.3000e-004	0.0000	15.3826
Total	9.7300e-003	0.0921	0.0743	4.1000e-004	0.0198	3.0000e-004	0.0201	5.5100e-003	2.8000e-004	5.7900e-003	0.0000	38.4641	38.4641	1.3000e-003	0.0000	38.4965

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017
Total	0.2688	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017

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3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	9.5000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2847	0.2847	1.0000e-005	0.0000	0.2849
Total	1.3000e-004	9.0000e-005	9.5000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2847	0.2847	1.0000e-005	0.0000	0.2849

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	0.2669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017
Total	0.2688	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017

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3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	9.5000e-004	0.0000	2.8000e-004	0.0000	2.8000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2847	0.2847	1.0000e-005	0.0000	0.2849
Total	1.3000e-004	9.0000e-005	9.5000e-004	0.0000	2.8000e-004	0.0000	2.8000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2847	0.2847	1.0000e-005	0.0000	0.2849

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	0.2963	0.4237	2.0986	5.5300e-003	0.5387	5.2900e-003	0.5440	0.1440	4.9600e-003	0.1490	0.0000	512.7834	512.7834	0.0279	0.0000	513.4820
Unmitigated	0.2963	0.4237	2.0986	5.5300e-003	0.5387	5.2900e-003	0.5440	0.1440	4.9600e-003	0.1490	0.0000	512.7834	512.7834	0.0279	0.0000	513.4820

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	764.40	764.40	764.40	1,452,307	1,452,307
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Total	764.40	764.40	764.40	1,452,307	1,452,307

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Hotel	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Parking Lot	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Recreational Swimming Pool	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	37.1081	37.1081	5.2200e-003	1.0800e-003	37.5602
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	40.9717	40.9717	5.7600e-003	1.1900e-003	41.4709
NaturalGas Mitigated	8.8800e-003	0.0807	0.0678	4.8000e-004		6.1300e-003	6.1300e-003		6.1300e-003	6.1300e-003	0.0000	87.8356	87.8356	1.6800e-003	1.6100e-003	88.3576
NaturalGas Unmitigated	0.0121	0.1102	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003	0.0000	119.9678	119.9678	2.3000e-003	2.2000e-003	120.6807

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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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	2.24811e+006	0.0121	0.1102	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003	0.0000	119.9678	119.9678	2.3000e-003	2.2000e-003	120.6807
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0121	0.1102	0.0926	6.6000e-004		8.3800e-003	8.3800e-003		8.3800e-003	8.3800e-003	0.0000	119.9678	119.9678	2.3000e-003	2.2000e-003	120.6807

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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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.64598e+006	8.8800e-003	0.0807	0.0678	4.8000e-004		6.1300e-003	6.1300e-003		6.1300e-003	6.1300e-003	0.0000	87.8356	87.8356	1.6800e-003	1.6100e-003	88.3576
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		8.8800e-003	0.0807	0.0678	4.8000e-004		6.1300e-003	6.1300e-003		6.1300e-003	6.1300e-003	0.0000	87.8356	87.8356	1.6800e-003	1.6100e-003	88.3576

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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			
Enclosed Parking with Elevator	50267.1	4.7036	6.6000e-004	1.4000e-004	4.7609
Hotel	386608	36.1756	5.0900e-003	1.0500e-003	36.6162
Parking Lot	989.8	0.0926	1.0000e-005	0.0000	0.0938
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		40.9717	5.7600e-003	1.1900e-003	41.4709

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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			
Enclosed Parking with Elevator	40179.4	3.7597	5.3000e-004	1.1000e-004	3.8054
Hotel	355406	33.2559	4.6800e-003	9.7000e-004	33.6610
Parking Lot	989.8	0.0926	1.0000e-005	0.0000	0.0938
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		37.1081	5.2200e-003	1.0800e-003	37.5602

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

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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	0.2257	1.0000e-005	1.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0300e-003	3.0300e-003	1.0000e-005	0.0000	3.2300e-003
Unmitigated	0.2257	1.0000e-005	1.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0300e-003	3.0300e-003	1.0000e-005	0.0000	3.2300e-003

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	0.0267					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1989					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0300e-003	3.0300e-003	1.0000e-005	0.0000	3.2300e-003
Total	0.2257	1.0000e-005	1.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0300e-003	3.0300e-003	1.0000e-005	0.0000	3.2300e-003

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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	0.0267					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1989					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0300e-003	3.0300e-003	1.0000e-005	0.0000	3.2300e-003
Total	0.2257	1.0000e-005	1.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0300e-003	3.0300e-003	1.0000e-005	0.0000	3.2300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.3753	0.0897	2.1600e-003	5.2605
Unmitigated	2.3753	0.0897	2.1600e-003	5.2605

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	2.66351 / 0.295946	2.2905	0.0870	2.0900e-003	5.0886
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.0828004 / 0.0507486	0.0848	2.7100e-003	7.0000e-005	0.1720
Total		2.3753	0.0897	2.1600e-003	5.2605

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	2.66351 / 0.295946	2.2905	0.0870	2.0900e-003	5.0886
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.0828004 / 0.0507486	0.0848	2.7100e-003	7.0000e-005	0.1720
Total		2.3753	0.0897	2.1600e-003	5.2605

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.6449	0.3927	0.0000	16.4625
Unmitigated	13.2898	0.7854	0.0000	32.9250

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	57.49	11.6700	0.6897	0.0000	28.9118
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	7.98	1.6199	0.0957	0.0000	4.0132
Total		13.2898	0.7854	0.0000	32.9250

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	28.745	5.8350	0.3448	0.0000	14.4559
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	3.99	0.8099	0.0479	0.0000	2.0066
Total		6.6449	0.3927	0.0000	16.4625

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

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

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Equipment Type	Number
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11.0 Vegetation

Existing Mechanic Shop and Sales Office - Operations Only - Santa Clara County, Annual

**Existing Mechanic Shop and Sales Office - Operations Only
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.53	1000sqft	0.01	530.00	0
Parking Lot	12.09	1000sqft	0.28	12,091.00	0
Automobile Care Center	2.06	1000sqft	0.05	2,061.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	364	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Existing Mechanic Shop and Sales Office - Operations Only - Santa Clara County, Annual

Project Characteristics - Refer to Appendix A for CO2 Intensity Factor calculation.

Land Use -

Construction Phase - Operations Only

Off-road Equipment -

Demolition -

Grading -

Vehicle Trips -

Construction Off-road Equipment Mitigation - Operations Only

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Vehicle Emission Factors - EMFAC 2017

Off-road Equipment - Operations Only

Trips and VMT -

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	5
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	5
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	PhaseEndDate	5/14/2020	5/1/2020
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	364

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tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleEF	HHD	0.52	0.02
tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	2.70	5.93
tblVehicleEF	HHD	1.02	0.53
tblVehicleEF	HHD	3.82	7.2190e-003
tblVehicleEF	HHD	4,650.35	1,103.77
tblVehicleEF	HHD	1,665.34	1,504.39
tblVehicleEF	HHD	11.77	0.07
tblVehicleEF	HHD	22.38	5.91
tblVehicleEF	HHD	4.47	3.49
tblVehicleEF	HHD	19.49	2.06
tblVehicleEF	HHD	0.02	3.4950e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1700e-004	1.0000e-006
tblVehicleEF	HHD	0.02	3.3440e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8180e-003	8.8660e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0800e-004	1.0000e-006
tblVehicleEF	HHD	1.1200e-004	3.0000e-006
tblVehicleEF	HHD	6.3600e-003	1.5900e-004
tblVehicleEF	HHD	0.69	0.43
tblVehicleEF	HHD	6.8000e-005	2.0000e-006

Existing Mechanic Shop and Sales Office - Operations Only - Santa Clara County, Annual

tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	5.5200e-004	9.7800e-004
tblVehicleEF	HHD	0.13	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.8200e-004	1.0000e-006
tblVehicleEF	HHD	1.1200e-004	3.0000e-006
tblVehicleEF	HHD	6.3600e-003	1.5900e-004
tblVehicleEF	HHD	0.80	0.49
tblVehicleEF	HHD	6.8000e-005	2.0000e-006
tblVehicleEF	HHD	0.22	0.14
tblVehicleEF	HHD	5.5200e-004	9.7800e-004
tblVehicleEF	HHD	0.14	3.0000e-006
tblVehicleEF	HHD	0.49	0.03
tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	0.11	0.00
tblVehicleEF	HHD	1.96	5.81
tblVehicleEF	HHD	1.03	0.53
tblVehicleEF	HHD	3.52	6.5890e-003
tblVehicleEF	HHD	4,923.79	1,099.47
tblVehicleEF	HHD	1,665.34	1,504.39
tblVehicleEF	HHD	11.77	0.07
tblVehicleEF	HHD	23.09	5.73
tblVehicleEF	HHD	4.30	3.36
tblVehicleEF	HHD	19.46	2.06
tblVehicleEF	HHD	0.02	3.0640e-003
tblVehicleEF	HHD	0.06	0.06

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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1700e-004	1.0000e-006
tblVehicleEF	HHD	0.02	2.9320e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8180e-003	8.8660e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0800e-004	1.0000e-006
tblVehicleEF	HHD	2.6100e-004	8.0000e-006
tblVehicleEF	HHD	6.8580e-003	1.7400e-004
tblVehicleEF	HHD	0.65	0.45
tblVehicleEF	HHD	1.5000e-004	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	5.4000e-004	9.7000e-004
tblVehicleEF	HHD	0.12	2.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.7700e-004	1.0000e-006
tblVehicleEF	HHD	2.6100e-004	8.0000e-006
tblVehicleEF	HHD	6.8580e-003	1.7400e-004
tblVehicleEF	HHD	0.75	0.52
tblVehicleEF	HHD	1.5000e-004	5.0000e-006
tblVehicleEF	HHD	0.22	0.14
tblVehicleEF	HHD	5.4000e-004	9.7000e-004
tblVehicleEF	HHD	0.13	2.0000e-006
tblVehicleEF	HHD	0.56	0.02

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tblVehicleEF	HHD	0.06	0.05
tblVehicleEF	HHD	0.12	0.00
tblVehicleEF	HHD	3.70	6.11
tblVehicleEF	HHD	1.01	0.53
tblVehicleEF	HHD	4.11	7.7720e-003
tblVehicleEF	HHD	4,272.75	1,109.72
tblVehicleEF	HHD	1,665.34	1,504.39
tblVehicleEF	HHD	11.77	0.07
tblVehicleEF	HHD	21.40	6.16
tblVehicleEF	HHD	4.54	3.54
tblVehicleEF	HHD	19.51	2.06
tblVehicleEF	HHD	0.03	4.0910e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1700e-004	1.0000e-006
tblVehicleEF	HHD	0.02	3.9140e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8180e-003	8.8660e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0800e-004	1.0000e-006
tblVehicleEF	HHD	5.7000e-005	1.0000e-006
tblVehicleEF	HHD	6.8100e-003	1.7800e-004
tblVehicleEF	HHD	0.74	0.40
tblVehicleEF	HHD	3.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	6.1100e-004	1.0660e-003

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tblVehicleEF	HHD	0.14	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.8600e-004	1.0000e-006
tblVehicleEF	HHD	5.7000e-005	1.0000e-006
tblVehicleEF	HHD	6.8100e-003	1.7800e-004
tblVehicleEF	HHD	0.86	0.46
tblVehicleEF	HHD	3.5000e-005	1.0000e-006
tblVehicleEF	HHD	0.21	0.14
tblVehicleEF	HHD	6.1100e-004	1.0660e-003
tblVehicleEF	HHD	0.15	3.0000e-006
tblVehicleEF	LDA	4.5620e-003	2.3540e-003
tblVehicleEF	LDA	7.2750e-003	0.05
tblVehicleEF	LDA	0.61	0.61
tblVehicleEF	LDA	1.49	2.29
tblVehicleEF	LDA	265.03	254.00
tblVehicleEF	LDA	61.46	53.53
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.10	0.20
tblVehicleEF	LDA	1.7250e-003	1.4970e-003
tblVehicleEF	LDA	2.2880e-003	1.8490e-003
tblVehicleEF	LDA	1.5900e-003	1.3800e-003
tblVehicleEF	LDA	2.1040e-003	1.7000e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	9.2800e-003

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tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.10	0.25
tblVehicleEF	LDA	2.6540e-003	2.5130e-003
tblVehicleEF	LDA	6.4000e-004	5.3000e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.11	0.27
tblVehicleEF	LDA	5.0790e-003	2.6610e-003
tblVehicleEF	LDA	6.0230e-003	0.04
tblVehicleEF	LDA	0.72	0.72
tblVehicleEF	LDA	1.18	1.77
tblVehicleEF	LDA	285.78	273.62
tblVehicleEF	LDA	61.46	52.57
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.09	0.17
tblVehicleEF	LDA	1.7250e-003	1.4940e-003
tblVehicleEF	LDA	1.7250e-003	1.4970e-003
tblVehicleEF	LDA	2.2880e-003	1.8490e-003
tblVehicleEF	LDA	1.5900e-003	1.3800e-003
tblVehicleEF	LDA	2.1040e-003	1.7000e-003
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.13	0.11
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.01	0.01

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tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.20
tblVehicleEF	LDA	2.8630e-003	2.7070e-003
tblVehicleEF	LDA	6.3500e-004	5.2000e-004
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.13	0.11
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.09	0.22
tblVehicleEF	LDA	4.4470e-003	2.2690e-003
tblVehicleEF	LDA	8.2500e-003	0.06
tblVehicleEF	LDA	0.60	0.60
tblVehicleEF	LDA	1.74	2.68
tblVehicleEF	LDA	261.62	251.58
tblVehicleEF	LDA	61.46	54.27
tblVehicleEF	LDA	0.06	0.04
tblVehicleEF	LDA	0.10	0.21
tblVehicleEF	LDA	1.7250e-003	1.4970e-003
tblVehicleEF	LDA	2.2880e-003	1.8490e-003
tblVehicleEF	LDA	1.5900e-003	1.3800e-003
tblVehicleEF	LDA	2.1040e-003	1.7000e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	9.0590e-003
tblVehicleEF	LDA	0.05	0.26

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tblVehicleEF	LDA	0.11	0.28
tblVehicleEF	LDA	2.6200e-003	2.4890e-003
tblVehicleEF	LDA	6.4400e-004	5.3700e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.12	0.11
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.26
tblVehicleEF	LDA	0.12	0.30
tblVehicleEF	LDT1	0.01	4.8530e-003
tblVehicleEF	LDT1	0.02	0.07
tblVehicleEF	LDT1	1.36	1.04
tblVehicleEF	LDT1	3.24	2.50
tblVehicleEF	LDT1	322.57	302.13
tblVehicleEF	LDT1	74.06	64.45
tblVehicleEF	LDT1	0.14	0.09
tblVehicleEF	LDT1	0.18	0.26
tblVehicleEF	LDT1	2.5170e-003	1.9370e-003
tblVehicleEF	LDT1	3.3150e-003	2.4520e-003
tblVehicleEF	LDT1	2.3180e-003	1.7830e-003
tblVehicleEF	LDT1	3.0490e-003	2.2540e-003
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.26	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.18	0.66
tblVehicleEF	LDT1	0.22	0.36

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tblVehicleEF	LDT1	3.2420e-003	2.9900e-003
tblVehicleEF	LDT1	7.9800e-004	6.3800e-004
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.26	0.18
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.18	0.66
tblVehicleEF	LDT1	0.24	0.40
tblVehicleEF	LDT1	0.01	5.4310e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.56	1.20
tblVehicleEF	LDT1	2.54	1.93
tblVehicleEF	LDT1	346.62	322.19
tblVehicleEF	LDT1	74.06	63.32
tblVehicleEF	LDT1	0.12	0.08
tblVehicleEF	LDT1	0.16	0.23
tblVehicleEF	LDT1	2.5170e-003	1.9340e-003
tblVehicleEF	LDT1	2.5170e-003	1.9370e-003
tblVehicleEF	LDT1	3.3150e-003	2.4520e-003
tblVehicleEF	LDT1	2.3180e-003	1.7830e-003
tblVehicleEF	LDT1	3.0490e-003	2.2540e-003
tblVehicleEF	LDT1	0.24	0.21
tblVehicleEF	LDT1	0.30	0.21
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.61
tblVehicleEF	LDT1	0.18	0.30

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tblVehicleEF	LDT1	3.4860e-003	3.1880e-003
tblVehicleEF	LDT1	7.8500e-004	6.2700e-004
tblVehicleEF	LDT1	0.24	0.21
tblVehicleEF	LDT1	0.30	0.21
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.05	0.03
tblVehicleEF	LDT1	0.17	0.61
tblVehicleEF	LDT1	0.20	0.32
tblVehicleEF	LDT1	0.01	4.7000e-003
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	1.34	1.03
tblVehicleEF	LDT1	3.82	2.93
tblVehicleEF	LDT1	318.61	299.73
tblVehicleEF	LDT1	74.06	65.30
tblVehicleEF	LDT1	0.15	0.10
tblVehicleEF	LDT1	0.20	0.28
tblVehicleEF	LDT1	2.5170e-003	1.9370e-003
tblVehicleEF	LDT1	3.3150e-003	2.4520e-003
tblVehicleEF	LDT1	2.3180e-003	1.7830e-003
tblVehicleEF	LDT1	3.0490e-003	2.2540e-003
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.28	0.19
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.22	0.82
tblVehicleEF	LDT1	0.25	0.41
tblVehicleEF	LDT1	3.2020e-003	2.9660e-003

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tblVehicleEF	LDT1	8.0800e-004	6.4600e-004
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.28	0.19
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.22	0.82
tblVehicleEF	LDT1	0.28	0.45
tblVehicleEF	LDT2	6.4900e-003	3.5120e-003
tblVehicleEF	LDT2	9.3170e-003	0.07
tblVehicleEF	LDT2	0.83	0.81
tblVehicleEF	LDT2	1.92	2.91
tblVehicleEF	LDT2	369.46	326.31
tblVehicleEF	LDT2	85.12	69.96
tblVehicleEF	LDT2	0.09	0.07
tblVehicleEF	LDT2	0.16	0.30
tblVehicleEF	LDT2	1.6360e-003	1.4840e-003
tblVehicleEF	LDT2	2.2210e-003	1.8240e-003
tblVehicleEF	LDT2	1.5040e-003	1.3660e-003
tblVehicleEF	LDT2	2.0430e-003	1.6770e-003
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.08	0.43
tblVehicleEF	LDT2	0.13	0.34
tblVehicleEF	LDT2	3.7010e-003	3.2280e-003
tblVehicleEF	LDT2	8.8400e-004	6.9200e-004

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tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.43
tblVehicleEF	LDT2	0.14	0.37
tblVehicleEF	LDT2	7.2060e-003	3.9540e-003
tblVehicleEF	LDT2	7.7180e-003	0.06
tblVehicleEF	LDT2	0.98	0.95
tblVehicleEF	LDT2	1.52	2.25
tblVehicleEF	LDT2	397.60	346.01
tblVehicleEF	LDT2	85.12	68.72
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.15	0.26
tblVehicleEF	LDT2	1.6360e-003	1.4810e-003
tblVehicleEF	LDT2	1.6360e-003	1.4840e-003
tblVehicleEF	LDT2	2.2210e-003	1.8240e-003
tblVehicleEF	LDT2	1.5040e-003	1.3660e-003
tblVehicleEF	LDT2	2.0430e-003	1.6770e-003
tblVehicleEF	LDT2	0.10	0.14
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.40
tblVehicleEF	LDT2	0.10	0.28
tblVehicleEF	LDT2	3.9850e-003	3.4230e-003
tblVehicleEF	LDT2	8.7700e-004	6.8000e-004

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tblVehicleEF	LDT2	0.10	0.14
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.08	0.12
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.07	0.40
tblVehicleEF	LDT2	0.11	0.30
tblVehicleEF	LDT2	6.3250e-003	3.3890e-003
tblVehicleEF	LDT2	0.01	0.08
tblVehicleEF	LDT2	0.82	0.80
tblVehicleEF	LDT2	2.25	3.41
tblVehicleEF	LDT2	364.83	323.94
tblVehicleEF	LDT2	85.12	70.90
tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.18	0.32
tblVehicleEF	LDT2	1.6360e-003	1.4840e-003
tblVehicleEF	LDT2	2.2210e-003	1.8240e-003
tblVehicleEF	LDT2	1.5040e-003	1.3660e-003
tblVehicleEF	LDT2	2.0430e-003	1.6770e-003
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.09	0.52
tblVehicleEF	LDT2	0.14	0.38
tblVehicleEF	LDT2	3.6550e-003	3.2050e-003
tblVehicleEF	LDT2	8.9000e-004	7.0200e-004
tblVehicleEF	LDT2	0.02	0.03

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tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.52
tblVehicleEF	LDT2	0.16	0.41
tblVehicleEF	LHD1	6.2340e-003	5.2220e-003
tblVehicleEF	LHD1	0.02	9.6590e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.18
tblVehicleEF	LHD1	1.31	0.88
tblVehicleEF	LHD1	3.15	1.10
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	713.46	806.69
tblVehicleEF	LHD1	34.78	11.78
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.42	0.97
tblVehicleEF	LHD1	1.13	0.33
tblVehicleEF	LHD1	8.5300e-004	8.5200e-004
tblVehicleEF	LHD1	9.8970e-003	9.7670e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.1500e-003	2.6300e-004
tblVehicleEF	LHD1	2.4740e-003	2.4420e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0590e-003	2.4100e-004
tblVehicleEF	LHD1	2.9040e-003	1.9060e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

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tblVehicleEF	LHD1	1.4230e-003	1.0290e-003
tblVehicleEF	LHD1	0.14	0.10
tblVehicleEF	LHD1	0.34	0.56
tblVehicleEF	LHD1	0.33	0.08
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	7.0210e-003	7.8750e-003
tblVehicleEF	LHD1	4.0800e-004	1.1700e-004
tblVehicleEF	LHD1	2.9040e-003	1.9060e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4230e-003	1.0290e-003
tblVehicleEF	LHD1	0.17	0.13
tblVehicleEF	LHD1	0.34	0.56
tblVehicleEF	LHD1	0.36	0.09
tblVehicleEF	LHD1	6.2340e-003	5.2380e-003
tblVehicleEF	LHD1	0.02	9.9180e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.16	0.18
tblVehicleEF	LHD1	1.34	0.90
tblVehicleEF	LHD1	2.92	1.02
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	713.46	806.73
tblVehicleEF	LHD1	34.78	11.63
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.36	0.92
tblVehicleEF	LHD1	1.06	0.31
tblVehicleEF	LHD1	8.5300e-004	8.5200e-004

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tblVehicleEF	LHD1	9.8970e-003	9.7670e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.1500e-003	2.6300e-004
tblVehicleEF	LHD1	2.4740e-003	2.4420e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0590e-003	2.4100e-004
tblVehicleEF	LHD1	6.6140e-003	4.5700e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.0040e-003	2.2230e-003
tblVehicleEF	LHD1	0.14	0.11
tblVehicleEF	LHD1	0.33	0.54
tblVehicleEF	LHD1	0.31	0.07
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	7.0210e-003	7.8760e-003
tblVehicleEF	LHD1	4.0300e-004	1.1500e-004
tblVehicleEF	LHD1	6.6140e-003	4.5700e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.0040e-003	2.2230e-003
tblVehicleEF	LHD1	0.17	0.13
tblVehicleEF	LHD1	0.33	0.54
tblVehicleEF	LHD1	0.34	0.08
tblVehicleEF	LHD1	6.2340e-003	5.2090e-003
tblVehicleEF	LHD1	0.02	9.4660e-003
tblVehicleEF	LHD1	0.03	0.02

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tblVehicleEF	LHD1	0.16	0.18
tblVehicleEF	LHD1	1.29	0.86
tblVehicleEF	LHD1	3.39	1.18
tblVehicleEF	LHD1	8.98	9.11
tblVehicleEF	LHD1	713.46	806.66
tblVehicleEF	LHD1	34.78	11.92
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	1.45	0.99
tblVehicleEF	LHD1	1.20	0.35
tblVehicleEF	LHD1	8.5300e-004	8.5200e-004
tblVehicleEF	LHD1	9.8970e-003	9.7670e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.1500e-003	2.6300e-004
tblVehicleEF	LHD1	2.4740e-003	2.4420e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0590e-003	2.4100e-004
tblVehicleEF	LHD1	1.4460e-003	8.2000e-004
tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.3600e-004	4.7900e-004
tblVehicleEF	LHD1	0.13	0.10
tblVehicleEF	LHD1	0.38	0.62
tblVehicleEF	LHD1	0.35	0.08
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	7.0200e-003	7.8750e-003
tblVehicleEF	LHD1	4.1200e-004	1.1800e-004
tblVehicleEF	LHD1	1.4460e-003	8.2000e-004

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tblVehicleEF	LHD1	0.13	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	7.3600e-004	4.7900e-004
tblVehicleEF	LHD1	0.17	0.13
tblVehicleEF	LHD1	0.38	0.62
tblVehicleEF	LHD1	0.38	0.09
tblVehicleEF	LHD2	4.0630e-003	3.3780e-003
tblVehicleEF	LHD2	0.01	7.5330e-003
tblVehicleEF	LHD2	0.01	9.3380e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.68	0.67
tblVehicleEF	LHD2	1.50	0.67
tblVehicleEF	LHD2	14.10	14.12
tblVehicleEF	LHD2	728.87	789.89
tblVehicleEF	LHD2	25.76	8.25
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.10	1.03
tblVehicleEF	LHD2	0.57	0.20
tblVehicleEF	LHD2	1.3170e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.0900e-004	1.3700e-004
tblVehicleEF	LHD2	1.2600e-003	1.3220e-003
tblVehicleEF	LHD2	2.6740e-003	2.6760e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.6800e-004	1.2600e-004
tblVehicleEF	LHD2	1.1000e-003	1.0200e-003

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tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	5.4900e-004	5.5900e-004
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.14	0.05
tblVehicleEF	LHD2	1.3800e-004	1.3500e-004
tblVehicleEF	LHD2	7.0950e-003	7.6320e-003
tblVehicleEF	LHD2	2.8500e-004	8.2000e-005
tblVehicleEF	LHD2	1.1000e-003	1.0200e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.4900e-004	5.5900e-004
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.10	0.29
tblVehicleEF	LHD2	0.15	0.05
tblVehicleEF	LHD2	4.0630e-003	3.3880e-003
tblVehicleEF	LHD2	0.01	7.6330e-003
tblVehicleEF	LHD2	9.5520e-003	8.7850e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.69	0.68
tblVehicleEF	LHD2	1.39	0.62
tblVehicleEF	LHD2	14.10	14.12
tblVehicleEF	LHD2	728.87	789.90
tblVehicleEF	LHD2	25.76	8.16
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.06	0.99

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tblVehicleEF	LHD2	0.54	0.19
tblVehicleEF	LHD2	1.3170e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.0900e-004	1.3700e-004
tblVehicleEF	LHD2	1.2600e-003	1.3220e-003
tblVehicleEF	LHD2	2.6740e-003	2.6760e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.6800e-004	1.2600e-004
tblVehicleEF	LHD2	2.5080e-003	2.4350e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1620e-003	1.1990e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.10	0.28
tblVehicleEF	LHD2	0.13	0.04
tblVehicleEF	LHD2	1.3800e-004	1.3500e-004
tblVehicleEF	LHD2	7.0950e-003	7.6330e-003
tblVehicleEF	LHD2	2.8300e-004	8.1000e-005
tblVehicleEF	LHD2	2.5080e-003	2.4350e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.1620e-003	1.1990e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.10	0.28
tblVehicleEF	LHD2	0.14	0.05

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tblVehicleEF	LHD2	4.0630e-003	3.3700e-003
tblVehicleEF	LHD2	0.01	7.4570e-003
tblVehicleEF	LHD2	0.01	9.7890e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.68	0.67
tblVehicleEF	LHD2	1.61	0.72
tblVehicleEF	LHD2	14.10	14.12
tblVehicleEF	LHD2	728.87	789.88
tblVehicleEF	LHD2	25.76	8.33
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.12	1.05
tblVehicleEF	LHD2	0.60	0.21
tblVehicleEF	LHD2	1.3170e-003	1.3820e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.0900e-004	1.3700e-004
tblVehicleEF	LHD2	1.2600e-003	1.3220e-003
tblVehicleEF	LHD2	2.6740e-003	2.6760e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.6800e-004	1.2600e-004
tblVehicleEF	LHD2	5.5100e-004	4.5600e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	2.8500e-004	2.6700e-004
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.14	0.05

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tblVehicleEF	LHD2	1.3800e-004	1.3500e-004
tblVehicleEF	LHD2	7.0950e-003	7.6320e-003
tblVehicleEF	LHD2	2.8700e-004	8.2000e-005
tblVehicleEF	LHD2	5.5100e-004	4.5600e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.8500e-004	2.6700e-004
tblVehicleEF	LHD2	0.14	0.13
tblVehicleEF	LHD2	0.11	0.33
tblVehicleEF	LHD2	0.16	0.05
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.16	0.26
tblVehicleEF	MCY	19.82	20.29
tblVehicleEF	MCY	10.12	9.06
tblVehicleEF	MCY	168.14	214.75
tblVehicleEF	MCY	46.41	62.08
tblVehicleEF	MCY	1.16	1.17
tblVehicleEF	MCY	0.32	0.27
tblVehicleEF	MCY	1.8900e-003	2.0260e-003
tblVehicleEF	MCY	4.0800e-003	3.3190e-003
tblVehicleEF	MCY	1.7710e-003	1.8960e-003
tblVehicleEF	MCY	3.8550e-003	3.1300e-003
tblVehicleEF	MCY	0.91	0.83
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	0.50	0.49
tblVehicleEF	MCY	2.27	2.34
tblVehicleEF	MCY	0.64	2.24

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tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MCY	2.0710e-003	2.1250e-003
tblVehicleEF	MCY	6.9600e-004	6.1400e-004
tblVehicleEF	MCY	0.91	0.83
tblVehicleEF	MCY	0.74	0.74
tblVehicleEF	MCY	0.50	0.49
tblVehicleEF	MCY	2.79	2.89
tblVehicleEF	MCY	0.64	2.24
tblVehicleEF	MCY	2.44	2.18
tblVehicleEF	MCY	0.42	0.33
tblVehicleEF	MCY	0.14	0.22
tblVehicleEF	MCY	19.07	19.28
tblVehicleEF	MCY	8.94	7.83
tblVehicleEF	MCY	168.14	212.79
tblVehicleEF	MCY	46.41	58.92
tblVehicleEF	MCY	1.02	1.02
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	1.8900e-003	2.0260e-003
tblVehicleEF	MCY	1.8900e-003	2.0260e-003
tblVehicleEF	MCY	4.0800e-003	3.3190e-003
tblVehicleEF	MCY	1.7710e-003	1.8960e-003
tblVehicleEF	MCY	3.8550e-003	3.1300e-003
tblVehicleEF	MCY	2.35	2.31
tblVehicleEF	MCY	0.96	0.97
tblVehicleEF	MCY	1.37	1.38
tblVehicleEF	MCY	2.18	2.24
tblVehicleEF	MCY	0.60	2.09

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tblVehicleEF	MCY	1.88	1.64
tblVehicleEF	MCY	2.0560e-003	2.1060e-003
tblVehicleEF	MCY	6.6500e-004	5.8300e-004
tblVehicleEF	MCY	2.35	2.31
tblVehicleEF	MCY	0.96	0.97
tblVehicleEF	MCY	1.37	1.38
tblVehicleEF	MCY	2.68	2.77
tblVehicleEF	MCY	0.60	2.09
tblVehicleEF	MCY	2.04	1.78
tblVehicleEF	MCY	0.45	0.35
tblVehicleEF	MCY	0.19	0.30
tblVehicleEF	MCY	21.43	21.99
tblVehicleEF	MCY	11.52	10.38
tblVehicleEF	MCY	168.14	217.81
tblVehicleEF	MCY	46.41	65.29
tblVehicleEF	MCY	1.24	1.25
tblVehicleEF	MCY	0.34	0.29
tblVehicleEF	MCY	1.8900e-003	2.0260e-003
tblVehicleEF	MCY	4.0800e-003	3.3190e-003
tblVehicleEF	MCY	1.7710e-003	1.8960e-003
tblVehicleEF	MCY	3.8550e-003	3.1300e-003
tblVehicleEF	MCY	0.40	0.27
tblVehicleEF	MCY	0.89	0.88
tblVehicleEF	MCY	0.19	0.17
tblVehicleEF	MCY	2.37	2.45
tblVehicleEF	MCY	0.76	2.65
tblVehicleEF	MCY	2.61	2.34

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tblVehicleEF	MCY	2.1000e-003	2.1550e-003
tblVehicleEF	MCY	7.3000e-004	6.4600e-004
tblVehicleEF	MCY	0.40	0.27
tblVehicleEF	MCY	0.89	0.88
tblVehicleEF	MCY	0.19	0.17
tblVehicleEF	MCY	2.91	3.01
tblVehicleEF	MCY	0.76	2.65
tblVehicleEF	MCY	2.84	2.54
tblVehicleEF	MDV	0.01	4.3620e-003
tblVehicleEF	MDV	0.02	0.09
tblVehicleEF	MDV	1.47	0.91
tblVehicleEF	MDV	3.59	3.35
tblVehicleEF	MDV	487.26	395.94
tblVehicleEF	MDV	110.36	84.33
tblVehicleEF	MDV	0.19	0.09
tblVehicleEF	MDV	0.33	0.36
tblVehicleEF	MDV	1.9100e-003	1.6240e-003
tblVehicleEF	MDV	2.6380e-003	2.0150e-003
tblVehicleEF	MDV	1.7630e-003	1.4980e-003
tblVehicleEF	MDV	2.4290e-003	1.8530e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.29	0.43
tblVehicleEF	MDV	4.8850e-003	3.9140e-003

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tblVehicleEF	MDV	1.1670e-003	8.3500e-004
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.18	0.14
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.46
tblVehicleEF	MDV	0.31	0.47
tblVehicleEF	MDV	0.01	4.9090e-003
tblVehicleEF	MDV	0.02	0.07
tblVehicleEF	MDV	1.69	1.07
tblVehicleEF	MDV	2.86	2.58
tblVehicleEF	MDV	523.43	416.21
tblVehicleEF	MDV	110.36	82.86
tblVehicleEF	MDV	0.17	0.08
tblVehicleEF	MDV	0.29	0.32
tblVehicleEF	MDV	1.9100e-003	1.6240e-003
tblVehicleEF	MDV	1.9100e-003	1.6240e-003
tblVehicleEF	MDV	2.6380e-003	2.0150e-003
tblVehicleEF	MDV	1.7630e-003	1.4980e-003
tblVehicleEF	MDV	2.4290e-003	1.8530e-003
tblVehicleEF	MDV	0.15	0.16
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.10	0.43
tblVehicleEF	MDV	0.24	0.35
tblVehicleEF	MDV	5.2490e-003	4.1140e-003

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tblVehicleEF	MDV	1.1540e-003	8.2000e-004
tblVehicleEF	MDV	0.15	0.16
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.10	0.43
tblVehicleEF	MDV	0.26	0.39
tblVehicleEF	MDV	0.01	4.2210e-003
tblVehicleEF	MDV	0.02	0.10
tblVehicleEF	MDV	1.47	0.90
tblVehicleEF	MDV	4.20	3.94
tblVehicleEF	MDV	481.30	393.47
tblVehicleEF	MDV	110.36	85.47
tblVehicleEF	MDV	0.20	0.10
tblVehicleEF	MDV	0.36	0.39
tblVehicleEF	MDV	1.9100e-003	1.6240e-003
tblVehicleEF	MDV	2.6380e-003	2.0150e-003
tblVehicleEF	MDV	1.7630e-003	1.4980e-003
tblVehicleEF	MDV	2.4290e-003	1.8530e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.32	0.49
tblVehicleEF	MDV	4.8250e-003	3.8890e-003
tblVehicleEF	MDV	1.1780e-003	8.4600e-004

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tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.15
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.13	0.56
tblVehicleEF	MDV	0.35	0.53
tblVehicleEF	MH	0.05	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.56	1.25
tblVehicleEF	MH	7.30	2.21
tblVehicleEF	MH	1,229.07	1,554.10
tblVehicleEF	MH	61.91	18.96
tblVehicleEF	MH	1.59	1.46
tblVehicleEF	MH	0.96	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5660e-003	2.7900e-004
tblVehicleEF	MH	3.2120e-003	3.2750e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4480e-003	2.5700e-004
tblVehicleEF	MH	1.05	0.68
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.36	0.25
tblVehicleEF	MH	0.15	0.08
tblVehicleEF	MH	0.02	1.47
tblVehicleEF	MH	0.44	0.10
tblVehicleEF	MH	0.01	0.02

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tblVehicleEF	MH	7.4700e-004	1.8800e-004
tblVehicleEF	MH	1.05	0.68
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.36	0.25
tblVehicleEF	MH	0.20	0.10
tblVehicleEF	MH	0.02	1.47
tblVehicleEF	MH	0.48	0.11
tblVehicleEF	MH	0.05	0.01
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	3.67	1.30
tblVehicleEF	MH	6.64	2.00
tblVehicleEF	MH	1,229.07	1,554.19
tblVehicleEF	MH	61.91	18.61
tblVehicleEF	MH	1.49	1.38
tblVehicleEF	MH	0.90	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5660e-003	2.7900e-004
tblVehicleEF	MH	3.2120e-003	3.2750e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4480e-003	2.5700e-004
tblVehicleEF	MH	2.41	1.63
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.77	0.55
tblVehicleEF	MH	0.15	0.08
tblVehicleEF	MH	0.02	1.43

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tblVehicleEF	MH	0.41	0.09
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.3600e-004	1.8400e-004
tblVehicleEF	MH	2.41	1.63
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.77	0.55
tblVehicleEF	MH	0.21	0.10
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.45	0.10
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.50	1.21
tblVehicleEF	MH	7.97	2.39
tblVehicleEF	MH	1,229.07	1,554.04
tblVehicleEF	MH	61.91	19.26
tblVehicleEF	MH	1.65	1.50
tblVehicleEF	MH	1.02	0.26
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5660e-003	2.7900e-004
tblVehicleEF	MH	3.2120e-003	3.2750e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4480e-003	2.5700e-004
tblVehicleEF	MH	0.51	0.28
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.19	0.12
tblVehicleEF	MH	0.15	0.07

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tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.47	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	7.5800e-004	1.9100e-004
tblVehicleEF	MH	0.51	0.28
tblVehicleEF	MH	0.11	0.07
tblVehicleEF	MH	0.19	0.12
tblVehicleEF	MH	0.20	0.10
tblVehicleEF	MH	0.03	1.58
tblVehicleEF	MH	0.51	0.12
tblVehicleEF	MHD	0.02	3.2640e-003
tblVehicleEF	MHD	0.01	5.3690e-003
tblVehicleEF	MHD	0.06	8.9190e-003
tblVehicleEF	MHD	0.46	0.38
tblVehicleEF	MHD	0.68	0.46
tblVehicleEF	MHD	8.00	1.08
tblVehicleEF	MHD	140.29	80.49
tblVehicleEF	MHD	1,210.30	1,117.54
tblVehicleEF	MHD	62.15	8.63
tblVehicleEF	MHD	0.89	0.60
tblVehicleEF	MHD	2.30	2.01
tblVehicleEF	MHD	10.47	1.41
tblVehicleEF	MHD	2.8510e-003	1.2650e-003
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	1.0450e-003	1.0800e-004
tblVehicleEF	MHD	2.7280e-003	1.2110e-003
tblVehicleEF	MHD	0.04	0.03

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tblVehicleEF	MHD	9.6100e-004	9.9000e-005
tblVehicleEF	MHD	1.1800e-003	3.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.7100e-004	2.0800e-004
tblVehicleEF	MHD	0.12	0.09
tblVehicleEF	MHD	0.03	0.11
tblVehicleEF	MHD	0.47	0.05
tblVehicleEF	MHD	1.3510e-003	7.6300e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.6200e-004	8.5000e-005
tblVehicleEF	MHD	1.1800e-003	3.8100e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	5.7100e-004	2.0800e-004
tblVehicleEF	MHD	0.15	0.10
tblVehicleEF	MHD	0.03	0.11
tblVehicleEF	MHD	0.52	0.05
tblVehicleEF	MHD	0.02	3.0750e-003
tblVehicleEF	MHD	0.01	5.4360e-003
tblVehicleEF	MHD	0.06	8.3590e-003
tblVehicleEF	MHD	0.32	0.31
tblVehicleEF	MHD	0.69	0.47
tblVehicleEF	MHD	7.35	0.99
tblVehicleEF	MHD	148.77	81.39
tblVehicleEF	MHD	1,210.30	1,117.55
tblVehicleEF	MHD	62.15	8.47

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tblVehicleEF	MHD	0.92	0.60
tblVehicleEF	MHD	2.21	1.93
tblVehicleEF	MHD	10.40	1.41
tblVehicleEF	MHD	2.4030e-003	1.0700e-003
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	1.0450e-003	1.0800e-004
tblVehicleEF	MHD	2.2990e-003	1.0240e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	9.6100e-004	9.9000e-005
tblVehicleEF	MHD	2.7830e-003	9.3000e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.2870e-003	4.6800e-004
tblVehicleEF	MHD	0.13	0.09
tblVehicleEF	MHD	0.03	0.11
tblVehicleEF	MHD	0.44	0.05
tblVehicleEF	MHD	1.4310e-003	7.7200e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.5000e-004	8.4000e-005
tblVehicleEF	MHD	2.7830e-003	9.3000e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	1.2870e-003	4.6800e-004
tblVehicleEF	MHD	0.15	0.10
tblVehicleEF	MHD	0.03	0.11
tblVehicleEF	MHD	0.49	0.05

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tblVehicleEF	MHD	0.02	3.4530e-003
tblVehicleEF	MHD	0.01	5.3210e-003
tblVehicleEF	MHD	0.07	9.3510e-003
tblVehicleEF	MHD	0.61	0.45
tblVehicleEF	MHD	0.67	0.46
tblVehicleEF	MHD	8.59	1.16
tblVehicleEF	MHD	128.97	79.37
tblVehicleEF	MHD	1,210.30	1,117.53
tblVehicleEF	MHD	62.15	8.77
tblVehicleEF	MHD	0.85	0.60
tblVehicleEF	MHD	2.34	2.05
tblVehicleEF	MHD	10.53	1.42
tblVehicleEF	MHD	3.4690e-003	1.5350e-003
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	1.0450e-003	1.0800e-004
tblVehicleEF	MHD	3.3190e-003	1.4690e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	9.6100e-004	9.9000e-005
tblVehicleEF	MHD	5.7000e-004	1.6600e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	2.8200e-004	9.4000e-005
tblVehicleEF	MHD	0.12	0.09
tblVehicleEF	MHD	0.03	0.13
tblVehicleEF	MHD	0.50	0.05
tblVehicleEF	MHD	1.2450e-003	7.5200e-004
tblVehicleEF	MHD	0.01	0.01

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tblVehicleEF	MHD	7.7200e-004	8.7000e-005
tblVehicleEF	MHD	5.7000e-004	1.6600e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	2.8200e-004	9.4000e-005
tblVehicleEF	MHD	0.15	0.10
tblVehicleEF	MHD	0.03	0.13
tblVehicleEF	MHD	0.55	0.06
tblVehicleEF	OBUS	0.01	7.7420e-003
tblVehicleEF	OBUS	0.01	7.5640e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.29	0.58
tblVehicleEF	OBUS	0.65	0.76
tblVehicleEF	OBUS	5.78	2.17
tblVehicleEF	OBUS	110.21	97.18
tblVehicleEF	OBUS	1,322.53	1,420.90
tblVehicleEF	OBUS	67.52	17.13
tblVehicleEF	OBUS	0.66	0.48
tblVehicleEF	OBUS	2.30	1.77
tblVehicleEF	OBUS	2.92	0.90
tblVehicleEF	OBUS	3.1200e-004	7.9000e-004
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.2600e-004	1.6000e-004
tblVehicleEF	OBUS	2.9900e-004	7.5500e-004
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	6.6800e-004	1.4700e-004
tblVehicleEF	OBUS	1.1970e-003	1.1980e-003

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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	5.1100e-004	5.5800e-004
tblVehicleEF	OBUS	0.08	0.07
tblVehicleEF	OBUS	0.03	0.21
tblVehicleEF	OBUS	0.36	0.10
tblVehicleEF	OBUS	1.0630e-003	9.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	1.7000e-004
tblVehicleEF	OBUS	1.1970e-003	1.1980e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	5.1100e-004	5.5800e-004
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.03	0.21
tblVehicleEF	OBUS	0.40	0.11
tblVehicleEF	OBUS	0.01	7.8070e-003
tblVehicleEF	OBUS	0.01	7.7730e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	0.67	0.78
tblVehicleEF	OBUS	5.27	1.97
tblVehicleEF	OBUS	115.77	97.00
tblVehicleEF	OBUS	1,322.53	1,420.94
tblVehicleEF	OBUS	67.52	16.79
tblVehicleEF	OBUS	0.69	0.47
tblVehicleEF	OBUS	2.20	1.68

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tblVehicleEF	OBUS	2.86	0.88
tblVehicleEF	OBUS	2.6300e-004	6.7100e-004
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.2600e-004	1.6000e-004
tblVehicleEF	OBUS	2.5200e-004	6.4200e-004
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	6.6800e-004	1.4700e-004
tblVehicleEF	OBUS	2.6900e-003	2.7590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.0900e-003	1.1870e-003
tblVehicleEF	OBUS	0.08	0.07
tblVehicleEF	OBUS	0.03	0.20
tblVehicleEF	OBUS	0.34	0.10
tblVehicleEF	OBUS	1.1170e-003	9.2200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6800e-004	1.6600e-004
tblVehicleEF	OBUS	2.6900e-003	2.7590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0900e-003	1.1870e-003
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.03	0.20
tblVehicleEF	OBUS	0.37	0.10
tblVehicleEF	OBUS	0.01	7.6670e-003
tblVehicleEF	OBUS	0.01	7.4140e-003

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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.31	0.60
tblVehicleEF	OBUS	0.64	0.75
tblVehicleEF	OBUS	6.24	2.33
tblVehicleEF	OBUS	102.53	97.42
tblVehicleEF	OBUS	1,322.53	1,420.88
tblVehicleEF	OBUS	67.52	17.41
tblVehicleEF	OBUS	0.63	0.49
tblVehicleEF	OBUS	2.34	1.80
tblVehicleEF	OBUS	2.98	0.91
tblVehicleEF	OBUS	3.8000e-004	9.5300e-004
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.2600e-004	1.6000e-004
tblVehicleEF	OBUS	3.6400e-004	9.1200e-004
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	6.6800e-004	1.4700e-004
tblVehicleEF	OBUS	6.3700e-004	6.0000e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.8800e-004	2.7000e-004
tblVehicleEF	OBUS	0.08	0.07
tblVehicleEF	OBUS	0.03	0.23
tblVehicleEF	OBUS	0.38	0.11
tblVehicleEF	OBUS	9.9000e-004	9.2600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	1.7200e-004
tblVehicleEF	OBUS	6.3700e-004	6.0000e-004

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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	2.8800e-004	2.7000e-004
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.03	0.23
tblVehicleEF	OBUS	0.42	0.12
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.02	5.6540e-003
tblVehicleEF	SBUS	0.10	3.8850e-003
tblVehicleEF	SBUS	7.94	1.93
tblVehicleEF	SBUS	1.35	0.46
tblVehicleEF	SBUS	11.03	0.58
tblVehicleEF	SBUS	1,147.37	338.21
tblVehicleEF	SBUS	1,074.56	1,050.81
tblVehicleEF	SBUS	53.01	3.26
tblVehicleEF	SBUS	10.41	3.26
tblVehicleEF	SBUS	4.78	4.47
tblVehicleEF	SBUS	12.80	0.95
tblVehicleEF	SBUS	0.01	3.3880e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	8.5500e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.2410e-003
tblVehicleEF	SBUS	2.6490e-003	2.7590e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.8600e-004	3.8000e-005
tblVehicleEF	SBUS	3.8820e-003	3.4700e-004

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tblVehicleEF	SBUS	0.04	3.5450e-003
tblVehicleEF	SBUS	0.96	0.20
tblVehicleEF	SBUS	1.4980e-003	1.4800e-004
tblVehicleEF	SBUS	0.13	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.55	0.02
tblVehicleEF	SBUS	0.01	3.2150e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.2000e-004	3.2000e-005
tblVehicleEF	SBUS	3.8820e-003	3.4700e-004
tblVehicleEF	SBUS	0.04	3.5450e-003
tblVehicleEF	SBUS	1.38	0.29
tblVehicleEF	SBUS	1.4980e-003	1.4800e-004
tblVehicleEF	SBUS	0.17	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.60	0.02
tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.02	5.7440e-003
tblVehicleEF	SBUS	0.08	3.2670e-003
tblVehicleEF	SBUS	7.81	1.89
tblVehicleEF	SBUS	1.39	0.47
tblVehicleEF	SBUS	8.10	0.43
tblVehicleEF	SBUS	1,200.01	346.29
tblVehicleEF	SBUS	1,074.56	1,050.83
tblVehicleEF	SBUS	53.01	3.00
tblVehicleEF	SBUS	10.75	3.32
tblVehicleEF	SBUS	4.57	4.29

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tblVehicleEF	SBUS	12.74	0.95
tblVehicleEF	SBUS	0.01	2.8640e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	8.5500e-004	4.1000e-005
tblVehicleEF	SBUS	9.6230e-003	2.7400e-003
tblVehicleEF	SBUS	2.6490e-003	2.7590e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.8600e-004	3.8000e-005
tblVehicleEF	SBUS	8.8200e-003	7.9700e-004
tblVehicleEF	SBUS	0.04	3.7310e-003
tblVehicleEF	SBUS	0.96	0.20
tblVehicleEF	SBUS	3.2540e-003	3.2900e-004
tblVehicleEF	SBUS	0.13	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.46	0.02
tblVehicleEF	SBUS	0.01	3.2910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7200e-004	3.0000e-005
tblVehicleEF	SBUS	8.8200e-003	7.9700e-004
tblVehicleEF	SBUS	0.04	3.7310e-003
tblVehicleEF	SBUS	1.38	0.29
tblVehicleEF	SBUS	3.2540e-003	3.2900e-004
tblVehicleEF	SBUS	0.17	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.50	0.02

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tblVehicleEF	SBUS	0.87	0.04
tblVehicleEF	SBUS	0.02	5.5880e-003
tblVehicleEF	SBUS	0.11	4.3860e-003
tblVehicleEF	SBUS	8.12	1.98
tblVehicleEF	SBUS	1.33	0.46
tblVehicleEF	SBUS	13.98	0.72
tblVehicleEF	SBUS	1,074.69	327.06
tblVehicleEF	SBUS	1,074.56	1,050.80
tblVehicleEF	SBUS	53.01	3.49
tblVehicleEF	SBUS	9.95	3.17
tblVehicleEF	SBUS	4.87	4.55
tblVehicleEF	SBUS	12.85	0.96
tblVehicleEF	SBUS	0.01	4.1100e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	8.5500e-004	4.1000e-005
tblVehicleEF	SBUS	0.01	3.9320e-003
tblVehicleEF	SBUS	2.6490e-003	2.7590e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.8600e-004	3.8000e-005
tblVehicleEF	SBUS	2.0410e-003	1.7400e-004
tblVehicleEF	SBUS	0.04	3.6610e-003
tblVehicleEF	SBUS	0.96	0.20
tblVehicleEF	SBUS	8.4100e-004	7.3000e-005
tblVehicleEF	SBUS	0.13	0.08
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.63	0.02

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tblVehicleEF	SBUS	0.01	3.1090e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.6900e-004	3.5000e-005
tblVehicleEF	SBUS	2.0410e-003	1.7400e-004
tblVehicleEF	SBUS	0.04	3.6610e-003
tblVehicleEF	SBUS	1.39	0.29
tblVehicleEF	SBUS	8.4100e-004	7.3000e-005
tblVehicleEF	SBUS	0.17	0.09
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.69	0.03
tblVehicleEF	UBUS	0.28	1.18
tblVehicleEF	UBUS	0.04	6.0740e-003
tblVehicleEF	UBUS	5.74	8.63
tblVehicleEF	UBUS	7.96	0.42
tblVehicleEF	UBUS	2,147.22	1,677.32
tblVehicleEF	UBUS	88.39	4.78
tblVehicleEF	UBUS	12.54	1.27
tblVehicleEF	UBUS	15.64	0.05
tblVehicleEF	UBUS	0.63	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.29	5.6370e-003
tblVehicleEF	UBUS	9.6700e-004	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.27	5.3910e-003
tblVehicleEF	UBUS	8.8900e-004	2.5000e-005
tblVehicleEF	UBUS	2.2470e-003	2.6300e-004

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tblVehicleEF	UBUS	0.04	3.9700e-003
tblVehicleEF	UBUS	1.0240e-003	1.6700e-004
tblVehicleEF	UBUS	0.79	0.02
tblVehicleEF	UBUS	7.8890e-003	0.03
tblVehicleEF	UBUS	0.54	0.03
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.0250e-003	4.7000e-005
tblVehicleEF	UBUS	2.2470e-003	2.6300e-004
tblVehicleEF	UBUS	0.04	3.9700e-003
tblVehicleEF	UBUS	1.0240e-003	1.6700e-004
tblVehicleEF	UBUS	1.13	1.21
tblVehicleEF	UBUS	7.8890e-003	0.03
tblVehicleEF	UBUS	0.59	0.03
tblVehicleEF	UBUS	0.28	1.18
tblVehicleEF	UBUS	0.03	5.3780e-003
tblVehicleEF	UBUS	5.81	8.63
tblVehicleEF	UBUS	6.30	0.34
tblVehicleEF	UBUS	2,147.22	1,677.32
tblVehicleEF	UBUS	88.39	4.64
tblVehicleEF	UBUS	12.03	1.26
tblVehicleEF	UBUS	15.58	0.05
tblVehicleEF	UBUS	0.63	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.29	5.6370e-003
tblVehicleEF	UBUS	0.29	5.6370e-003
tblVehicleEF	UBUS	9.6700e-004	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03

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tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.27	5.3910e-003
tblVehicleEF	UBUS	8.8900e-004	2.5000e-005
tblVehicleEF	UBUS	5.4330e-003	6.0100e-004
tblVehicleEF	UBUS	0.05	4.3910e-003
tblVehicleEF	UBUS	2.4990e-003	3.5500e-004
tblVehicleEF	UBUS	0.80	0.02
tblVehicleEF	UBUS	7.2740e-003	0.02
tblVehicleEF	UBUS	0.46	0.02
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	9.9600e-004	4.6000e-005
tblVehicleEF	UBUS	5.4330e-003	6.0100e-004
tblVehicleEF	UBUS	0.05	4.3910e-003
tblVehicleEF	UBUS	2.4990e-003	3.5500e-004
tblVehicleEF	UBUS	1.15	1.21
tblVehicleEF	UBUS	7.2740e-003	0.02
tblVehicleEF	UBUS	0.51	0.03
tblVehicleEF	UBUS	0.27	1.18
tblVehicleEF	UBUS	0.04	6.6480e-003
tblVehicleEF	UBUS	5.70	8.63
tblVehicleEF	UBUS	9.54	0.50
tblVehicleEF	UBUS	2,147.22	1,677.32
tblVehicleEF	UBUS	88.39	4.90
tblVehicleEF	UBUS	12.74	1.27
tblVehicleEF	UBUS	15.69	0.05
tblVehicleEF	UBUS	0.63	0.07
tblVehicleEF	UBUS	0.01	0.03

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tblVehicleEF	UBUS	0.29	5.6370e-003
tblVehicleEF	UBUS	9.6700e-004	2.8000e-005
tblVehicleEF	UBUS	0.27	0.03
tblVehicleEF	UBUS	3.0000e-003	7.8890e-003
tblVehicleEF	UBUS	0.27	5.3910e-003
tblVehicleEF	UBUS	8.8900e-004	2.5000e-005
tblVehicleEF	UBUS	1.1690e-003	1.3200e-004
tblVehicleEF	UBUS	0.05	4.0910e-003
tblVehicleEF	UBUS	5.1000e-004	7.8000e-005
tblVehicleEF	UBUS	0.78	0.02
tblVehicleEF	UBUS	9.6170e-003	0.03
tblVehicleEF	UBUS	0.60	0.03
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	1.0520e-003	4.9000e-005
tblVehicleEF	UBUS	1.1690e-003	1.3200e-004
tblVehicleEF	UBUS	0.05	4.0910e-003
tblVehicleEF	UBUS	5.1000e-004	7.8000e-005
tblVehicleEF	UBUS	1.12	1.21
tblVehicleEF	UBUS	9.6170e-003	0.03
tblVehicleEF	UBUS	0.66	0.03

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	5-1-2020	7-31-2020	0.0008	0.0008
		Highest	0.0008	0.0008

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	0.0125	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	3.4000e-004	3.0900e-003	2.6000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	8.4341	8.4341	4.7000e-004	1.5000e-004	8.4891
Mobile	0.0181	0.0196	0.1021	2.2000e-004	0.0207	2.2000e-004	0.0209	5.5400e-003	2.0000e-004	5.7400e-003	0.0000	20.3089	20.3089	1.5300e-003	0.0000	20.3470
Waste						0.0000	0.0000		0.0000	0.0000	1.6970	0.0000	1.6970	0.1003	0.0000	4.2043
Water						0.0000	0.0000		0.0000	0.0000	0.0914	0.3593	0.4507	9.4100e-003	2.3000e-004	0.7538
Total	0.0310	0.0227	0.1049	2.4000e-004	0.0207	4.5000e-004	0.0212	5.5400e-003	4.3000e-004	5.9700e-003	1.7884	29.1025	30.8909	0.1117	3.8000e-004	33.7944

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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	0.0125	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Energy	3.4000e-004	3.0900e-003	2.6000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	8.4341	8.4341	4.7000e-004	1.5000e-004	8.4891
Mobile	0.0181	0.0196	0.1021	2.2000e-004	0.0207	2.2000e-004	0.0209	5.5400e-003	2.0000e-004	5.7400e-003	0.0000	20.3089	20.3089	1.5300e-003	0.0000	20.3470
Waste						0.0000	0.0000		0.0000	0.0000	0.8485	0.0000	0.8485	0.0502	0.0000	2.1021
Water						0.0000	0.0000		0.0000	0.0000	0.0914	0.3593	0.4507	9.4100e-003	2.3000e-004	0.7538
Total	0.0310	0.0227	0.1049	2.4000e-004	0.0207	4.5000e-004	0.0212	5.5400e-003	4.3000e-004	5.9700e-003	0.9399	29.1025	30.0424	0.0616	3.8000e-004	31.6923

	ROG	NOx	CO	SO2	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	47.45	0.00	2.75	44.89	0.00	6.22

3.0 Construction Detail

Construction Phase

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

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0.28

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Concrete/Industrial Saws	0	8.00	81	0.73
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	1.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0000e-004	1.0500e-003	1.1400e-003	0.0000		7.0000e-005	7.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.1364	0.1364	4.0000e-005	0.0000	0.1375
Total	1.0000e-004	1.0500e-003	1.1400e-003	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	6.0000e-005	6.0000e-005	0.0000	0.1364	0.1364	4.0000e-005	0.0000	0.1375

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0181	0.0196	0.1021	2.2000e-004	0.0207	2.2000e-004	0.0209	5.5400e-003	2.0000e-004	5.7400e-003	0.0000	20.3089	20.3089	1.5300e-003	0.0000	20.3470
Unmitigated	0.0181	0.0196	0.1021	2.2000e-004	0.0207	2.2000e-004	0.0209	5.5400e-003	2.0000e-004	5.7400e-003	0.0000	20.3089	20.3089	1.5300e-003	0.0000	20.3470

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	48.89	48.89	24.48	45,228	45,228
General Office Building	5.85	1.30	0.56	10,614	10,614
Parking Lot	0.00	0.00	0.00		
Total	54.73	50.19	25.04	55,842	55,842

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785
General Office Building	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785
Parking Lot	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5.0697	5.0697	4.0000e-004	8.0000e-005	5.1047
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5.0697	5.0697	4.0000e-004	8.0000e-005	5.1047
NaturalGas Mitigated	3.4000e-004	3.0900e-003	2.6000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3643	3.3643	6.0000e-005	6.0000e-005	3.3843
NaturalGas Unmitigated	3.4000e-004	3.0900e-003	2.6000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3643	3.3643	6.0000e-005	6.0000e-005	3.3843

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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	54369.2	2.9000e-004	2.6700e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.9014	2.9014	6.0000e-005	5.0000e-005	2.9186
General Office Building	8676.1	5.0000e-005	4.3000e-004	3.6000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4630	0.4630	1.0000e-005	1.0000e-005	0.4657
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.4000e-004	3.1000e-003	2.6000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3643	3.3643	7.0000e-005	6.0000e-005	3.3843

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	54369.2	2.9000e-004	2.6700e-003	2.2400e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.9014	2.9014	6.0000e-005	5.0000e-005	2.9186
General Office Building	8676.1	5.0000e-005	4.3000e-004	3.6000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4630	0.4630	1.0000e-005	1.0000e-005	0.4657
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.4000e-004	3.1000e-003	2.6000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.3643	3.3643	7.0000e-005	6.0000e-005	3.3843

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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	17023.9	2.8108	2.2000e-004	5.0000e-005	2.8302
General Office Building	9449.9	1.5603	1.2000e-004	3.0000e-005	1.5710
Parking Lot	4231.85	0.6987	6.0000e-005	1.0000e-005	0.7035
Total		5.0697	4.0000e-004	9.0000e-005	5.1047

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	17023.9	2.8108	2.2000e-004	5.0000e-005	2.8302
General Office Building	9449.9	1.5603	1.2000e-004	3.0000e-005	1.5710
Parking Lot	4231.85	0.6987	6.0000e-005	1.0000e-005	0.7035
Total		5.0697	4.0000e-004	9.0000e-005	5.1047

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0125	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Unmitigated	0.0125	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-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	1.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0109					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	0.0125	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-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	1.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0109					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004
Total	0.0125	0.0000	1.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6000e-004	2.6000e-004	0.0000	0.0000	2.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.4507	9.4100e-003	2.3000e-004	0.7538
Unmitigated	0.4507	9.4100e-003	2.3000e-004	0.7538

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.193807 / 0.118785	0.3033	6.3300e-003	1.5000e-004	0.5073
General Office Building	0.0941989 / 0.0577348	0.1474	3.0800e-003	7.0000e-005	0.2466
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.4507	9.4100e-003	2.2000e-004	0.7538

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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	0.193807 / 0.118785	0.3033	6.3300e-003	1.5000e-004	0.5073
General Office Building	0.0941989 / 0.0577348	0.1474	3.0800e-003	7.0000e-005	0.2466
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.4507	9.4100e-003	2.2000e-004	0.7538

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.8485	0.0502	0.0000	2.1021
Unmitigated	1.6970	0.1003	0.0000	4.2043

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	7.87	1.5975	0.0944	0.0000	3.9578
General Office Building	0.49	0.0995	5.8800e-003	0.0000	0.2464
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1.6970	0.1003	0.0000	4.2043

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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	3.935	0.7988	0.0472	0.0000	1.9789
General Office Building	0.245	0.0497	2.9400e-003	0.0000	0.1232
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.8485	0.0502	0.0000	2.1021

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

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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Existing Mechanic Shop and Sales Office - Operations Only - Santa Clara County, Annual

11.0 Vegetation
