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Proposed Camino Castaneda Commercial and Residential Development Project in Farmersville, CA

Date: June 1, 2022

Subject: Air Quality, Health Risk Analysis, Greenhouse Gas, and Energy Technical Memorandum

This Air Quality, Greenhouse Gas Emissions, and Energy Analysis Report was prepared to evaluate whether the estimated criteria air pollutant, ozone precursor, toxic air contaminant (TAC), and/or greenhouse gas (GHG) emissions generated from construction and/or operation of the proposed Camino Castaneda Commercial and Residential Development Project in Farmersville, CA (proposed project or project) would cause significant impacts to air resources in the project area. The respective analyses were conducted within the context of the California Environmental Quality Act (CEQA) (California Public Resources Code [PRC] § 21000, et seq.). The methodology follows the Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI) prepared by the San Joaquin Valley Air Pollution Control District (SJVAPCD) for the quantification of emissions and evaluation of potential impacts to air resources[1] and the SJVAPCD's Guidance for Valley Land-Use Agencies in Addressing GHG Emission Impacts for New Projects under the California Environmental Quality Act (CEQA).[2]

Project Location and Description

The proposed project consists of the construction and development of a mixed residential and commercial development project of the City of Farmersville, Tulare County, California. The proposed Camino Castaneda project covers approximately 7.38 acres generally located northeast of the intersection of Farmersville Boulevard and Walnut Avenue in Farmersville, California. The Assessor's Parcel Numbers (APNs) associated with the project include 111-290-002 and 111-290-014. The project site surrounds an existing Rite Aid store, but the Rite Aid store is not a part of the proposed project. The project includes a 23,000-square-foot grocery store or medical clinic, a gas station with 12 fueling positions, a 3,000-square-foot convenience

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1 San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. February 19. Website: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed October 20, 2021.

2 San Joaquin Valley Air Pollution Control District (SJVAPCD). 2009. Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA. December 17. Website: https://www.valleyair.org/Programs/CCAP/12-17-09/3%20CCAP%20-%20FINAL%20LU%20Guidance%20-%20Dec%2017%202009.pdf. Accessed September 20, 2021.

store with a drive through, a 2,400-square-foot fast-food restaurant with a drive through, 2,700 square feet of shops buildings, and 48 multi-family residential units. Consistent with the traffic impact analysis prepared for the proposed project, the shops buildings were assumed to be high-turnover sit-down restaurants for the purpose of analyzing impacts.

An aerial view of the project site is shown in Figure 1. The project site plan is included as part of Attachment A.



Figure 1 – Project Site—Aerial Vicinity

Modeling Parameters and Assumptions

The following modeling parameters and assumptions were used to generate criteria air pollutant (including precursors), Toxic Air Contaminants (TACs), and greenhouse gas (GHG) emissions for the proposed project.

Air Pollutants and GHGs Assessed

Criteria Pollutants Assessed

The following criteria air pollutants were assessed in this analysis: reactive organic gases (ROG), oxides of nitrogen (NO_X), carbon monoxide (CO), sulfur oxides (SO_X), particulate matter less than 10 microns in diameter (PM_{10}), and particulate matter less than 2.5 microns in diameter ($PM_{2.5}$).

Note that the proposed project would emit ozone precursors ROG and NO_X. However, the proposed project would not directly emit ozone since it is formed in the atmosphere during the photochemical reaction of ozone precursors.

The project does not contain sources that would produce substantial quantities of SO_X emissions during construction or operation. Modeling conducted for the project is provided in Attachment A and includes SO_2 emission estimates. No further analysis of SO_2 is required.

GHGs Assessed

This analysis was restricted to GHGs identified by AB 32, which include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3). The proposed project would generate a variety of GHGs, including several defined by AB 32 such as CO_2, CH_4, and N_2O.

Certain GHGs defined by AB 32 would not be emitted by the project. HFCs, PFCs, SF_6, and NF_3 are typically used in industrial applications, none of which would be used for typical retail operations. Therefore, it is not anticipated that the proposed project would emit those GHGs.

GHG emissions associated with the proposed project construction, as well as future operations were estimated using CO_2 equivalent (CO_2e) emissions as a proxy for all GHG emissions. Construction GHG emissions were amortized over the lifetime of the proposed project. In order to obtain the CO_2e, an individual GHG is multiplied by its Global Warming Potential (GWP). The GWP designates on a pound for pound basis the potency of the GHG compared to CO_2.

Toxic Air Containments Assessed

Diesel particulate matter (DPM)

Studies indicate that diesel particulate matter (DPM) poses the greatest health risk among airborne TACs. The California Air Resources Board (CARB) conducted a 10-year research program that demonstrated that DPM from diesel-fueled engines is a human carcinogen and that chronic (long-term) inhalation exposure to DPM poses a chronic long-term health risk.

DPM is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases: gas and particle. The gas phase is composed of many of the urban hazardous air pollutants, such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particle phase also has many different types of particles that can be classified by size or composition. The size of diesel particulates that are of greatest health concern are those that are in the categories of fine and ultra-fine particles. The composition of these fine and ultra-fine particles may be composed of elemental carbon with adsorbed compounds such as organic compounds, sulfate, nitrate, metals, and other trace elements. Diesel exhaust is emitted from a broad range of diesel engines, such as the on-road diesel engines of trucks, buses, and cars, and off-road diesel engines that include locomotives, marine vessels, and heavy-duty equipment.[3]

For purposes of this analysis, DPM exhaust emissions are represented as particulate matter that is 10 micrometers in diameter and smaller (PM_{10}).

Benzene

Out of the toxic compounds emitted from gasoline stations, benzene, ethylbenzene, and naphthalene have cancer toxicity values. However, benzene is the TAC which drives the risk, accounting for 85 percent of cancer risk from gasoline vapors. Furthermore, benzene constitutes more than three to four times the weight of gasoline than ethylbenzene and naphthalene, respectively.[4] Therefore, ethylbenzene and naphthalene have not been modeled and are instead considered significant in the case that benzene emissions are significant. Additionally, there are substances emitted from gasoline stations, such as toluene and xylene which possess acute adverse health effects (though not cancer risk). However, it is not until the benzene concentrations are more than two orders of magnitude above 10 in one million that the emissions of toluene and xylene begin to cause adverse health effects.[5] Therefore, toluene and xylene emissions have not been modeled and are instead considered significant in the case that benzene concentrations are identified at two orders of magnitude above 10 in one million cancer risk.

Asbestos

Asbestos is a fibrous mineral that both naturally occurs in ultramafic rock (a rock type commonly found in California) and is used as a processed component of building materials. Because asbestos has been proven to cause a number of disabling and fatal diseases, such as asbestosis and lung cancer, it is strictly regulated either based on its natural widespread occurrence or in its use as a building material. In the initial Asbestos National Emission Standards for Hazardous Air Pollutants rule promulgated in 1973, a distinction was made between building materials that would readily release asbestos fibers when damaged or disturbed (friable) and those materials that were unlikely to result in significant fiber release

[3] California Air Resources Board (CARB). 2019. Overview: Diesel Exhaust and Health. Website: https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health. Accessed February 20, 2022.
[4] South Coast Air Quality Management District (SCAQMD). 2015. Risk Assessment Procedures for Rules 1401, 1401.1, and 212. Website:http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/1401/appx_1401riskassessproc_071517nw.pdf. Accessed October 7, 2021.
[5] California Air Pollution Control Officers Association (CAPCOA). 1997. Gasoline Service Station Industrywide Risk Assessment Guidelines. Website: https://www.co.monterey.ca.us/home/showdocument?id=22409. Accessed May 20, 2022.

(non-friable). The U.S. Environmental Protection Agency (EPA) has since determined that, when severely damaged, otherwise non-friable materials can release significant amounts of asbestos fibers. Asbestos has been banned from many building materials under the Toxic Substances Control Act, the Clean Air Act, and the Consumer Product Safety Act. Naturally occurring asbestos (NOA) is known to occur in many parts of California and is commonly associated with ultramafic or serpentinite rock.

Model Selection

Criteria Pollutants and GHG Emissions—Model Selection

The California Emissions Estimator Model (CalEEMod) is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas (GHG) emissions associated with both construction and operations from a variety of land use projects. CalEEMod quantifies direct emissions from construction and operation activities (including vehicle use), as well as indirect emissions, such as GHG emissions from energy use, solid waste disposal, vegetation planting and/or removal, and water use. Further, CalEEMod identifies mitigation measures to reduce criteria pollutant and GHG emissions along with calculating the benefits achieved from measures chosen by the user.

CalEEMod was developed for the California Air Pollution Control Officers Association (CAPCOA) in collaboration with the California Air Districts. Default data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided by the various California Air Districts to account for local requirements and conditions.

CalEEMod is a comprehensive tool for quantifying air quality impacts from land use projects located throughout California. The model can be used for a variety of situations where an air quality analysis is necessary or desirable such as preparing CEQA or National Environmental Policy Act documents, conducting pre-project planning, and, verifying compliance with local air quality rules and regulations, etc.

CalEEMod version 2020.4.0 was used to estimate project-generated emissions from construction and operations of the proposed project.

Construction DPM emissions (represented as PM_{10} exhaust) were estimated using CalEEMod version 2020.4.0. Emissions were estimated for the unmitigated scenario and a scenario with clean construction equipment engines (Tier 4 mitigated). Equipment tiers refer to a generation of emission standards established by the EPA and CARB that apply to diesel engines in off-road equipment. The “tier” of an engine depends on the model year and horsepower rating; generally, the newer a piece of equipment is, the higher the tier level the equipment is likely to have. Excluding engines greater than 750 horsepower, Tier 1 engines were manufactured generally between 1996 and 2003. Since Tier 1 emission standards were established by the EPA in 1994, increasingly more stringent Tier 2, Tier 3, and Tier 4 (interim and final) standards were adopted by the EPA, as well as CARB.

Toxic Air Containments—Model Selection and Parameters

An air dispersion model is a mathematical formulation used to estimate the air quality impacts at specific locations (receptors) surrounding a source of emissions given the rate of emissions and prevailing meteorological conditions. The air dispersion model applied in this assessment was the U.S. EPA AERMOD (version 21112) air dispersion model. Specifically, the AERMOD model was used to estimate levels of air emissions at sensitive receptor locations from potential sources of project-generated TACs during the construction period. The use of the AERMOD model provides a refined methodology for estimating construction impacts by utilizing long-term, measured representative meteorological data for the project site and a representative construction schedule.

The modeling analysis also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. Direction-dependent calculations were obtained by identifying the Universal Transverse Mercator (UTM) coordinates for each source location. Terrain elevations were obtained for the project site using the AERMAP model, the AERMOD terrain data pre-processor. The air dispersion model assessment used meteorological data from the Visalia metrological station, located approximately 10 miles west of the project area. The meteorological data used was preprocessed for use with AERMOD by SJVAPCD and included data for the years 2007 to 2010; all years were used in the assessment. To evaluate the proposed project's localized impacts at the point of maximum impact, all receptors were placed within the breathing zone at 1.2 meters above ground level.

For the construction period, construction emissions were assumed to be distributed over the project site with a working schedule of eight hours per day and five days per week. Emissions were adjusted by a factor of 4.2 to convert for use with a 24-hour-per-day, 365 day-per-year averaging period. Project operations were assessed assuming a 24-hour-per-day, and seven day-per-week schedule. Detailed parameters and complete calculations are contained in Attachment B.

Assumptions

Construction Modeling Assumptions

Schedule

The proposed project would require various tasks including site preparation, grading, building construction, paving, and architectural coating (painting). The exact start and end times for various project phases are currently unknown. As such, residential uses and commercial uses were grouped separately and were assumed to overlap in order to provide a conservative estimate of air impacts. Table 1 shows the anticipated construction schedule. The construction schedule utilized in the analysis represents a "worst-case" analysis scenario since emission factors for construction equipment decrease as the analysis year increases, due to improvements in technology and more stringent regulatory requirements. Therefore, construction emissions would decrease if the construction schedule moved to later years or is phased over multiple years. The duration of construction activity and associated equipment represent a reasonable approximation of the expected construction fleet as required per CEQA guidelines. The site-specific construction fleet may vary due to specific project needs at the time of construction.

Table 1: Project Construction Schedule

Construction Task	Start Date	End Date	Number of Days per Week	Number of Workdays per Phase
Residential Development				
Site Preparation	8/1/2022	8/3/2022	5	3
Grading	8/4/2022	8/11/2022	5	6
Building Construction	8/12/2022	6/15/2023	5	220
Paving	6/16/2023	6/29/2023	5	10
Architectural Coating	6/30/2023	7/13/2023	5	10
Commercial Development				
Site Preparation	8/1/2022	8/5/2022	5	5
Grading	8/6/2022	8/17/2022	5	8
Building Construction	8/18/2022	7/5/2023	5	230
Paving	7/6/2023	7/31/2023	5	18
Architectural Coating	8/1/2023	8/24/2023	5	18
Source: CalEEMod Output (Attachment A).				

Equipment

The off-road equipment fleet for construction were generated using default values from CalEEMod. CalEEMod generates construction fleets for construction activities based on the size of the construction areas. Construction equipment for each construction activity is shown in Table 2.

Table 2: Project Construction Equipment

Construction Task	Equipment Type	Pieces of Equipment	Usage (hours/day)	Horsepower	Load Factor	Fuel Type
Residential Development						
Site Preparation	Graders	1	8	187	0.41	Diesel
	Scrapers	1	8	367	0.48	Diesel
	Tractors/Loaders/Backhoes	1	7	97	0.37	Diesel
Grading	Graders	1	8	187	0.41	Diesel
	Rubber Tired Dozers	1	8	247	0.40	Diesel
	Tractors/Loaders/Backhoes	2	7	97	0.37	Diesel
Building Construction	Cranes	1	8	231	0.29	Diesel
	Forklifts	2	7	89	0.20	Diesel
	Generator Sets	1	8	84	0.74	Diesel
	Tractors/Loaders/Backhoes	1	6	97	0.37	Diesel
	Welders	3	8	46	0.45	Diesel

Construction Task	Equipment Type	Pieces of Equipment	Usage (hours/day)	Horsepower	Load Factor	Fuel Type
Paving	Cement and Mortar Mixers	1	8	9	0.56	Diesel
	Pavers	1	8	130	0.42	Diesel
	Paving Equipment	1	8	132	0.36	Diesel
	Rollers	2	8	80	0.38	Diesel
	Tractors/Loaders/Backhoes	1	8	97	0.37	Diesel
Architectural Coating	Air Compressors	1	6	78	0.48	Diesel
Commercial Development						
Site Preparation	Rubber Tired Dozers	3	8	247	0.40	Diesel
	Tractors/Loaders/Backhoes	4	8	97	0.37	Diesel
Grading	Excavators	1	8	158	0.38	Diesel
	Graders	1	8	187	0.41	Diesel
	Rubber Tired Dozers	1	8	247	0.40	Diesel
	Tractors/Loaders/Backhoes	3	8	97	0.37	Diesel
Building Construction	Cranes	1	7	231	0.29	Diesel
	Forklifts	3	8	89	0.20	Diesel
	Generator Sets	1	8	84	0.74	Diesel
	Tractors/Loaders/Backhoes	3	7	97	0.37	Diesel
	Welders	1	8	46	0.45	Diesel
Paving	Cement and Mortar Mixers	2	6	9	0.56	Diesel
	Pavers	1	8	130	0.42	Diesel
	Paving Equipment	2	6	132	0.36	Diesel
	Rollers	2	6	80	0.38	Diesel
	Tractors/Loaders/Backhoes	1	8	97	0.37	Diesel
Architectural Coating	Air Compressors	1	6	78	0.48	Diesel

Source: CalEEMod Output (Attachment A).

Vehicles Trips

Table 3 provides a summary of the construction-related vehicle trips. CalEEMod default values were used to estimate the number of construction-related vehicle trips and were supplemented with additional purpose-based trips to avoid underestimating emissions from on-road vehicles anticipated during the construction period.

The default values for hauling trips are based on the assumption that a truck can haul 20 tons (or 16 cubic yards) of material per load. If one load of material is delivered, CalEEMod assumes that one haul truck importing material will also have a return trip with an empty truck (e.g., 2 one-way trips).

The fleet mix for worker trips is light-duty passenger vehicles to light-duty trucks. The vendor trips fleet mix is composed of a mixture of medium and heavy-duty diesel trucks. The hauling trips were assumed to be 100 percent heavy-duty diesel truck trips. CalEEMod default trip lengths for a project in Tulare County and a rural setting were used for the worker (16.8 miles), vendor (6.6 miles), and hauling (20 miles) trips.

Table 3: Construction Vehicle Trips

Construction Task	Worker Trips per Day	Vendor Trips per Day	Total Haul Truck Trips
Residential Development			
Site Preparation	8	0	6
Grading	10	0	8
Building Construction	43	8	16
Paving	15	4	12
Architectural Coating	9	0	2
Commercial Development			
Site Preparation	18	0	14
Grading	15	0	637
Building Construction	82	33	18
Paving	20	4	16
Architectural Coating	16	0	2

Notes:
Additional hauling trips were added to each phase for mobilization/demobilization (two trip per piece of off-road equipment).
Additional vendor trips were added to the paving phases to account for delivery of materials.
Cut and fill are anticipated to balance on-site for the entire project; however, 2,500 cubic yards of import and 2,500 cubic yards of export were assumed as part of the commercial development to provide a conservative estimate of emissions.
CalEEMod default trips account for miscellaneous trips in the building construction phases, which were retained in the modeling.
Source: CalEEMod Output (Attachment A).

Operational Modeling Assumptions

Operational emissions are those emissions that occur during operation of the proposed project. The sources are summarized below.

Motor Vehicles

Motor vehicle emissions refer to exhaust and road dust emissions from the automobiles that would travel to and from the proposed project site. Assumptions were based on the accompanying traffic study completed for the project.[6] Modeling was completing using the reported number of average daily trips (5,764 weekday trips before reductions for internal capture). Pass-by trips are assumed to already be on the local roads; however, unlike internal capture, vehicles making pass-by trips are not necessarily making a single trip to visit multiple land uses within the project site. For the purposes of estimating air pollutant emissions, it is

[6] Peters Engineering Group. 2022. Scope of Traffic Study: Proposed Camino Castaneda Commercial and Residential Development Northeast of the Intersection of Farmersville Boulevard and Walnut Avenue Farmersville, California. March 14.

appropriate to account for the project-generated trips that would travel to and from the project site. CalEEMod default trip types were applied in the analysis. Please see Attachment for detailed assumptions.

Trip Lengths

The CalEEMod default round trip lengths for a rural setting in Tulare County were used in this analysis. Trip lengths are for primary trips. Trip purposes are primary, diverted, and pass-by trips. Diverted trips take a slightly different path than a primary trip. The CalEEMod default rates for percentages of primary, diverted, and pass-by trips were used.

Vehicle Fleet Mix

The vehicle fleet mix is defined as the mix of motor vehicle classes active during the operation of the proposed project. Emission factors are assigned to the expected vehicle mix as a function of vehicle class, speed, and fuel use (gasoline- and diesel-powered vehicles). CalEEMod default fleet mixes for Tulare County were used in the analysis for the commercial development. To estimate emissions associated with the residential development, the vehicle fleet mixes were revised to reflect the residential fleet mix approved by SJVAPCD for each year analyzed.

Area Sources

Consumer Products

Consumer products are various solvents used in non-industrial applications, which emit VOCs during their product use. “Consumer Product” means a chemically formulated product used by household and institutional consumers, including but not limited to: detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. It does not include other paint products, furniture coatings, or architectural coatings. CalEEMod includes default consumer product use rates based on building square footage. The default emission factors developed for CalEEMod were used for consumer products were used.

Architectural Coatings (Painting)

Paints release VOC emissions. The commercial and residential buildings included as part of the proposed project would be repainted on occasion. CalEEMod defaults were used for this purpose.

Landscaping Emissions

CalEEMod estimates a total of 180 days for which landscaping equipment would be used to estimate potential emissions for the proposed project.

Indirect Emissions

For GHG emissions, CalEEMod contains calculations to estimate indirect GHG emissions. Indirect emissions are emissions where the location of consumption or activity is different from where actual emissions are generated. For example, electricity would be consumed at the proposed project site; however, emissions associated with producing that electricity are generated off-site at a power plant. Since the electricity can vary greatly based on locations, the

user should override these values if they have more specific information regarding their specific water supply and treatment.

Energy Use

The emissions associated with the building electricity and natural gas usage (non-hearth) were estimated based on the land use type and size. Values for a project served by Southern California Edison (SCE) were used in the analysis.

The Renewables Portfolio Standard (RPS) is not accounted for in CalEEMod 2020.4.0. The Renewable Electricity Standards took effect in 2020. The Renewable Electricity Standard requires that electricity providers include a minimum of 33 percent renewable energy in their portfolios by the year 2020. CalEEMod 2020.4.0 includes SCE emission factor based on actual rates reported by the utility.

The 2020.4.0 CalEEMod default emission factors for SCE are as follows:

- Carbon dioxide: 390.98 lbs/MWh
- Methane: 0.033 lb/MWh
- Nitrous oxide: 0.004 lb/MWh

The utilities in California will be required to increase the use of renewable energy sources to 60 percent by 2030.

Other Indirect Emissions (Water Use, Wastewater Use, and Solid Waste)

CalEEMod includes calculations for indirect GHG emissions for electricity consumption, water consumption, and solid waste disposal. For water consumption, CalEEMod calculates embedded energy (e.g., treatment, conveyance, distribution) associated with providing each gallon of potable water to the project. For solid waste disposal, GHG emissions are associated with the disposal of solid waste generated by the proposed project into landfills. CalEEMod default data were used for inputs associated with solid waste.

AIR QUALITY

Environmental Setting

Air quality impacts are both local and regional. Regional and local air quality is impacted by topography, dominant airflows, atmospheric inversions, location, and season. The project is located in Farmersville, within Tulare County. The project site and all of Tulare County are in the San Joaquin Valley Air Basin (Air Basin or SJV Air Basin), which experiences some of the most challenging environmental conditions for air quality in the nation. The following section describes these conditions as they pertain to the Air Basin. The information in this section is primarily from the SJVAPCD's GAMAQI.[7]

Topography

The topography of a region is important for air quality because mountains can block airflow that would help disperse pollutants and can channel air from upwind areas that transports pollutants to downwind areas. The SJVAPCD covers the entirety of the SJV Air Basin. The Air Basin is generally shaped like a bowl. It is open in the north and is surrounded by mountain ranges on all other sides. The Sierra Nevada mountains are along the eastern boundary (8,000 to 14,000 feet in elevation), the Coast Ranges are along the western boundary (3,000 feet in elevation), and the Tehachapi Mountains are along the southern boundary (6,000 to 8,000 feet in elevation).

Climate

The climate is important for air quality because of differences in the atmosphere's ability to trap pollutants close to the ground, which creates adverse air quality; inversely, the atmosphere's ability to rapidly disperse pollutants over a wide area prevents high concentrations from accumulating under different climatic conditions. The SJV Air Basin has an "inland Mediterranean" climate and is characterized by long, hot, dry summers and short, foggy winters. Sunlight can be a catalyst in the formation of some air pollutants (such as ozone); the SJV Air Basin averages over 260 sunny days per year.

Inversion layers are significant in determining pollutant concentrations. Concentration levels can be related to the amount of mixing space below the inversion. Temperature inversions that occur on the summer days are usually encountered 2,000 to 2,500 feet above the valley floor. In winter months, overnight inversions occur 500 to 1,500 feet above the valley floor.

Dominant airflows provide the driving mechanism for transport and dispersion of air pollution. The mountains surrounding the SJV Air Basin form natural horizontal barriers to the dispersion of air contaminants. The wind generally flows south-southeast through the valley, through the Tehachapi Pass and into the Mojave Desert Air Basin portion of Kern County. As the wind moves through the SJV Air Basin, it mixes with the air pollution generated locally, generally transporting air pollutants from the north to the south in the summer and in a reverse flow in the winter.

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[7] San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. February 19. Website: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed May 20, 2022.

The winds and unstable air conditions experienced during the passage of winter storms result in periods of low pollutant concentrations and excellent visibility. Between winter storms, high pressure and light winds allow cold moist air to pool on the San Joaquin Valley floor. This creates strong, low-level temperature inversions and very stable air conditions, which can lead to Tule fog. Wintertime conditions favorable to fog formation are also conditions favorable to high concentrations of $PM_{2.5}$ and PM_{10}.

Criteria Air Pollutants

The Federal Clean Air Act (FCAA) establishes the framework for modern air pollution control. The FCAA, enacted in 1970 and amended in 1990, directs the U.S. EPA to establish ambient air quality standards. These standards are divided into primary and secondary standards. The primary standards are set to protect human health, and the secondary standards are set to protect environmental values, such as plant and animal life. The FCAA requires the EPA to set National Ambient Air Quality Standards for the six criteria air pollutants. These pollutants include particulate matter (PM), ground-level ozone, carbon monoxide (CO), sulfur oxides, nitrogen oxides, and lead.

Toxic Air Contaminants

A toxic air contaminant (TAC) is an air pollutant not included in the California Ambient Air Quality Standards, but TACs are considered hazardous to human health. Toxic air contaminants are defined by the California Air Resources Board (CARB) as those pollutants that, “may cause or contribute to an increase in deaths or in serious illness, or which may pose a present or potential hazard to human health.”

The health effects associated with TACs are generally assessed locally rather than regionally. Toxic air contaminants can cause long-term health effects such as cancer, birth defects, neurological damage, asthma, bronchitis, or genetic damage; TACs can also cause short-term acute effects such as eye watering, respiratory irritation, running nose, throat pain, and headaches. For evaluation purposes, TACs are separated into carcinogens and noncarcinogens. Carcinogens are assumed to have no safe threshold below which health impacts would not occur, and the cancer risk is expressed as excess cancer cases per one million exposed individuals (typically over a lifetime of exposure).

TACs of concern assessed in this analysis include DPM and asbestos.

Sensitive Receptors

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Heightened sensitivity may be caused by health problems, proximity to the emissions source, and/or duration of exposure to air pollutants. Children, pregnant women, the elderly, and those with existing health problems are especially vulnerable to the effects of air pollution. Accordingly, land uses that are typically considered to be sensitive receptors include residences, schools, childcare centers, playgrounds, retirement homes, convalescent homes, hospitals, and medical clinics.

Air Quality Standards

The Clean Air Act requires states to develop a general plan to attain and maintain the standards in all areas of the country and a specific plan to attain the standards for each area designated nonattainment. These plans, known as State Implementation Plans or SIPs, are developed by state and local air quality management agencies and submitted to EPA for approval.

The SIP for the State of California is administered by the CARB, which has overall responsibility for statewide air quality maintenance and air pollution prevention. California's SIP incorporates individual federal attainment plans for each regional air district. SIPs are prepared by the regional air district and sent to CARB to be approved and incorporated into the California SIP. Federal attainment plans include the technical foundation for understanding air quality (e.g., emission inventories and air quality monitoring), control measures and strategies, and enforcement mechanisms.

The CARB also administers the California Ambient Air Quality Standards (CAAQS) for the 10 air pollutants designated in the California Clean Air Act. The 10 state air pollutants include the six federal criteria pollutant standards listed above as well as visibility-reducing particulates, hydrogen sulfide, sulfates, and vinyl chloride. The federal and state ambient air quality standards are summarized in Table 4.

Table 4: California and National Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards	National Standards	
		Concentration	Primary	Secondary
Ozone	1 Hour	0.09 ppm (180 µg/m^3)	—	Same as Primary Standard
	8 Hour	0.070 ppm (137 µg/m^3)	0.070ppm (137 µg/m^3)	
Respirable Particulate Matter	24 Hour	50 µg/m^3	150 µg/m3	Same as Primary Standard
	Annual Arithmetic Mean	20 µg/m^3	—	
Fine Particulate Matter	24 Hour	—	35 µg/m^3	Same as Primary Standard
	Annual Arithmetic Mean	12 µg/m^3	12 µg/m^3	
Carbon Monoxide	1 Hour	20 ppm (23 mg/m^3)	35 ppm (40 mg/m^3)	—
	8 Hour	9.0 ppm (10 mg/m^3)	9 ppm (10 mg/m^3)	—
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)	—	—
Nitrogen Dioxide	1 Hour	0.18 ppm (339 µg/m^3)	100 ppb (188 µg/m^3)	—
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)	0.053 ppm (100 µg/m^3)	Same as Primary Standard
Sulfur Dioxide	1 Hour	0.25 ppm (655 µg/m^3)	75 ppb (196 µg/m^3)	—
	3 Hour	—	—	0.5 ppm (1300 µg/m^3)
	24 Hour	0.04 ppm (105 µg/m^3)	0.14 ppm (for certain areas)	—

Pollutant	Averaging Time	California Standards	National Standards	
		Concentration	Primary	Secondary
	Annual Arithmetic Mean	—	0.030 ppm (for certain areas)	—
Lead	30-Day Average	1.5 µg/m^3	—	—
	Calendar Quarter	—	1.5 µg/m^3	Same as Primary Standard
	Rolling 3-Month Average	—	0.15 µg/m^3	
Visibility-Reducing Particles	8 Hour	See Footnote 1	No National Standards	
Sulfates	24 Hour	25 µg/m^3		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)		
Vinyl Chloride	24 Hour	0.01 ppm (26 µg/m^3)		

Notes:
1 - In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.
µg/m3 =micrograms per cubic meter
CARB = California Air Resources Board
mg/m3 = milligrams per cubic meter
ppm = parts per million
Source: California Air Resources Board (CARB). 2017. Air Quality Standards. Website: https://www.baaqmd.gov/about-air-quality/research-and-data/air-quality-standards-and-attainment-status. Accessed March 23, 2022.

The local air quality can be evaluated by reviewing relevant air pollution concentrations near the project area. Table 5 summarizes 2018 through 2020 published monitoring data, which is the most recent 3-year period available. The table displays data from the Visalia-N Church Street Station (location approximately 4.9 miles northwest of the project), which was the closest monitoring stations to the project site with data available. The data shows that during the past few years, the project area has exceeded the standards for ozone (state and national), PM_{10} (state and national), and $PM_{2.5}$ (state and national). The data in the table reflects the concentration of the pollutants in the air, measured using air monitoring equipment. This differs from emissions, which are calculations of a pollutant being emitted over a certain period. No recent monitoring data for Tulare County or the San Joaquin Valley Air Basin was available for CO or SO_2. Generally, no monitoring is conducted for pollutants that are no longer likely to exceed ambient air quality standards.

Table 5: Air Quality Monitoring Summary

Air Pollutant	Averaging Time	Item	2018	2019	2020
Ozone[1]	1 Hour	Max 1 Hour (ppm)	**0.112**	0.093	**0.127**

		Days > State Standard (0.09 ppm)	8	0	7
	8 Hour	Max 8 Hour (ppm)	**0.095**	**0.082**	**0.103**
		Days > State Standard (0.07 ppm)	58	26	37
		Days > National Standard (0.075 ppm)	27	5	21
Carbon monoxide (CO)	8 Hour	Max 8 Hour (ppm)	ND	ND	ND
		Days > State Standard (9.0 ppm)	ND	ND	ND
		Days > National Standard (9 ppm)	ND	ND	ND
Nitrogen dioxide (NO_2)[2]	Annual	Annual Average (ppm)	0.010	0.009	0.009
	1 Hour	Max 1 Hour (ppm)	0.069	0.070	0.053
		Days > State Standard (0.18 ppm)	0	0	0
Sulfur dioxide (SO_2)	Annual	Annual Average (ppm)	ND	ND	ND
	24 Hour	Max 24 Hour (ppm)	ND	ND	ND
		Days > State Standard (0.04 ppm)	ND	ND	ND
Inhalable coarse particles (PM_{10})[1]	Annual	Annual Average (µg/m^3)	**52.0**	**46.3**	**60.5**
	24 Hour	24 Hour (µg/m^3)	**159.6**	**418.5**	**305.7**
		Days > State Standard (50 µg/m^3)	164.4	115.8	157.0
		Days > National Standard (150 µg/m^3)	0.0	5.0	20.2
Fine particulate matter ($PM_{2.5}$)[1]	Annual	Annual Average (µg/m^3)	**17.4**	12.3	ID
		State Standard (12 µg/m^3) Exceeded?	Yes	No	ID
	24 Hour	24 Hour (µg/m^3)	**86.8**	**47.2**	**127.1**
		Days > National Standard (35 µg/m^3)	42.3	19.9	51.2

Notes:
> = exceed
ppm = parts per million
µg/m^3 = micrograms per cubic meter
ID = insufficient data
ND = no data
max = maximum
Bold = exceedance
State Standard = California Ambient Air Quality Standard
National Standard = National Ambient Air Quality Standard

[1] Visalia-N Church Street Station
Source: California Air Resources Board (CARB). 2022. Trends Summary. Website: https://www.arb.ca.gov/adam/trends/trends1.php. Accessed May 31, 2022.

[2] Visalia-N Church Street Station
Source: California Air Resources Board (CARB). 2022. Top 4 Summary: Select Pollutant, Years, & Area. Website: https://www.arb.ca.gov/adam/topfour/topfour1.php. Accessed May 31, 2022.

The health impacts of the various air pollutants of concern can be presented in a number of ways. One method is to compare concentrations in an area with the applicable state and federal ozone standards. If concentrations are below the standard, it is reasonable to conclude that no significant health impacts would occur. When concentrations exceed the standard, impacts will vary based on the amount by which the standard is exceeded. The EPA developed the Air Quality Index (AQI) as an easy-to-understand measure of health impacts compared with concentrations in the air. Table 6 provides a description of the health impacts of ozone at different concentrations.

Table 6: Air Quality Index and Health Effects from Ozone

Air Quality Index/ 8-hour Ozone Concentration	Health Effects Description
AQI 51–100—Moderate	**Sensitive Groups:** Children and people with asthma are the groups most at risk.
Concentration 55–70 ppb	**Health Effects Statements:** Unusually sensitive individuals may experience respiratory symptoms.
	Cautionary Statements: Unusually sensitive people should consider limiting prolonged outdoor exertion.
AQI 101–150—Unhealthy for Sensitive Groups	**Sensitive Groups:** Children and people with asthma are the groups most at risk.
Concentration 71–85 ppb	**Health Effects Statements:** Increasing likelihood of respiratory symptoms and breathing discomfort in active children and adults and people with respiratory disease, such as asthma.
	Cautionary Statements: Active children and adults, and people with respiratory disease, such as asthma, should limit prolonged outdoor exertion.
AQI 151–200—Unhealthy	**Sensitive Groups:** Children and people with asthma are the groups most at risk.
Concentration 86–105 ppb	**Health Effects Statements:** Greater likelihood of respiratory symptoms and breathing difficulty in active children and adults and people with respiratory disease, such as asthma; possible respiratory effects in general population.
	Cautionary Statements: Active children and adults, and people with respiratory disease, such as asthma, should avoid prolonged outdoor exertion; everyone else, especially children, should limit prolonged outdoor exertion.
AQI 201–300—Very Unhealthy	**Sensitive Groups:** Children and people with asthma are the groups most at risk.
Concentration 106–200 ppb	**Health Effects Statements:** Increasingly severe symptoms and impaired breathing likely in active children and adults and people with respiratory disease, such as asthma; increasing likelihood of respiratory effects in general population.
	Cautionary Statements: Active children and adults, and people with respiratory disease, such as asthma, should avoid all outdoor exertion; everyone else, especially children, should limit outdoor exertion.

Sources:

Air Now. 2022. AQI Calculator: AQI to Concentration. Website: https://www.airnow.gov/aqi/aqi-calculator/. Accessed May 31, 2022.

U.S. Environment Protection Agency (EPA). 2018. Technical Assistance Document for the Reporting of Daily Air Quality – the Air Quality Index (AQI). September. Accessed May 31, 2022.

The AQI for the 8-hour ozone standard is based on the current NAAQS of 70 parts per billion (ppb). Based on the AQI scale for the 8-hour ozone standard, the project area experienced 121 days in the last three years that would have violated the 70-ppb standard. The highest reading was 112 ppb in 2018 (AQI 207—Very Unhealthy).

Another pollutant of concern due to associated health impacts is $PM_{2.5}$. An AQI of 100 or lower is considered moderate and would be triggered by a 24-hour average concentration of 12.1 to 35.4 µg/m^3. An AQI of 101 to 105 or 35.5-55.4 µg/m^3 is considered unhealthful for sensitive groups. When concentrations reach this amount, it is considered an exceedance of the federal $PM_{2.5}$ standard. The monitoring station nearest the project (Visalia-N Church Street Station) exceeded the standard on approximately 113.4 days in the three-year period spanning from 2018 to 2020. The highest number of exceedances was recorded in 2020 with 51.2 days over the standard. People with respiratory or heart disease, the elderly, and children are the groups most at risk. Unusually sensitive people should consider reducing prolonged or heavy exertion. The AQI of 151 to 200 is classified as unhealthy for everyone. This AQI classification is triggered when $PM_{2.5}$ concentration ranges from 55.4 to 150.4 µg/m^3. At this concentration, there is increasing likelihood of respiratory symptoms in sensitive individuals, aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease, and in the elderly. People with respiratory or heart disease, the elderly, and children should limit prolonged exertion. Everyone else should reduce prolonged or heavy exertion. The highest 24-hour concentration recorded at the Visalia-N Church Street Station monitoring station in the most recent 3-year period available was 127.1 µg/m^3 (AQI 188—Unhealthy) in 2020. At this concentration, there is significant aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly; significant increase in respiratory effects in general population. Sensitive groups should avoid all physical activity outdoors, move activities indoors, or reschedule to a time when air quality is better. Everyone else should avoid prolonged or heavy exertion, consider moving activities indoors, or reschedule to a time when air quality is better. The relationship of the AQI to health effects in shown in Table 7.

Table 7: Air Quality Index and Health Effects of Particle Pollution

Air Quality Index/ $PM_{2.5}$ Concentration	Health Effects Description
AQI 51–100—Moderate	**Sensitive Groups:** Some people who may be unusually sensitive to particle.
Concentration 12.1–35.4 µg/m^3	**Health Effects Statements:** Unusually sensitive people should consider reducing prolonged or heavy exertion.
	Cautionary Statements: Unusually sensitive people: Consider reducing prolonged or heavy exertion. Watch for symptoms such as coughing or shortness of breath. These are signs to take it easier.
AQI 101–150—Unhealthy for Sensitive Groups	**Sensitive Groups:** Sensitive groups include people with heart or lung disease, older adults, children, and teenagers.
Concentration 35.5–55.4 µg/m^2	**Health Effects Statements:** Increasing likelihood of respiratory symptoms in sensitive individuals, aggravation of heart or lung disease

	and premature mortality in persons with cardiopulmonary disease, and the elderly.
	If you have heart disease: Symptoms such as palpitations, shortness of breath, or unusual fatigue may indicate a serious problem. If you have any of these, contact your health care provider.
AQI 151–200—Unhealthy	**Sensitive Groups:** Everyone
Concentration 55.5–150.4 µg/m^3	**Health Effects Statements:** Increased aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly; increased respiratory effects in general population.
	Cautionary Statements: Sensitive groups: Avoid prolonged or heavy exertion. Consider moving activities indoors or rescheduling. Everyone else: Reduce prolonged or heavy exertion. Take more breaks during outdoor activities.
AQI 201–300—Very Unhealthy	**Sensitive Groups:** Everyone
Concentration 150.5–250.4 µg/m^3	**Health Effects Statements:** Significant aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly; significant increase in respiratory effects in general population.
	Cautionary Statements: Sensitive groups: Avoid all physical activity outdoors. Move activities indoors or reschedule to a time when air quality is better. Everyone else: Avoid prolonged or heavy exertion. Consider moving activities indoors or rescheduling to a time when air quality is better.
Source: Air Now. 2016. AQI Calculator: AQI to Concentration. Website: https://www.airnow.gov/aqi/aqi-calculator/. Accessed March 23, 2022 and May 31, 2022.	

Federal and state air quality laws require identification of areas not meeting the ambient air quality standards. These areas must develop regional air quality plans to eventually attain the standards. The SJV Air Basin is designated nonattainment for ozone, PM_{10}, and $PM_{2.5}$.[8]

Thresholds of Significance

Project-level Thresholds

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on air quality, the type, level, and impact of emissions generated by the proposed project must be evaluated.

This analysis uses the air quality significance thresholds contained in Appendix G of the CEQA Guidelines, effective December 28, 2018. A significant impact would occur if the proposed project would:

[8] San Joaquin Valley Air Pollution Control District (SJVAPCD). 2017. Ambient Air Quality Standards & Valley Attainment Status. Website: https://www.valleyair.org/aqinfo/attainment.htm. Accessed May 20, 2022.

a) Conflict with or obstruct implementation of the applicable air quality plan.

b) 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.

c) Expose sensitive receptors to substantial pollutant concentrations.

d) Create objectionable odors affecting a substantial number of people.

The City of Farmersville has not established specific CEQA significance thresholds. Where available guidance provided by the applicable air district can be used to make significance determinations for the CEQA questions listed above. While the final determination of whether a project is significant is within the purview of the Lead Agency pursuant to Section 15064(b) of the CEQA Guidelines, the SJVAPCD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions in accordance with the Appendix G requirements. If a Lead Agency finds that a project has the potential to exceed these air pollution thresholds, according to the SJVAPCD, the project should be considered to have significant air quality impacts.

Air pollutant emissions have regional effects and localized effects. This analysis assesses the regional effects of the project's criteria pollutant emissions in comparison to SJVAPCD thresholds of significance for short-term construction activities and long-term operation of the project. Localized emissions from project construction and operation are also assessed using concentration-based thresholds that determine if the project would result in a localized exceedance of any ambient air quality standards or would make a cumulatively considerable contribution to an existing exceedance.

The primary pollutants of concern during project construction and operation are ROG, NO_X, PM_{10}, and $PM_{2.5}$. The SJVAPCD GAMAQI adopted in 2015 contains thresholds for ROG and NO_X; SO_X, CO, PM_{10}, and $PM_{2.5}$.

Ozone is a secondary pollutant that can be formed miles away from the source of emissions through reactions of ROG and NO_X emissions in the presence of sunlight. Therefore, ROG and NO_x are termed ozone precursors. The SJVAB often exceeds the state and national ozone standards. Therefore, if the project emits a substantial quantity of ozone precursors, the project may contribute to an exceedance of the ozone standard. The SJVAB also exceeds air quality standards for PM_{10}, and $PM_{2.5}$; therefore, substantial project emissions may contribute to an exceedance for these pollutants.

The SJVAPCD has adopted significance thresholds for construction-related and operational emissions. These thresholds will be identified and addressed in the appropriate section of this document.

Project construction would involve the use of diesel-fueled vehicles and equipment that emit DPM, which is considered a TAC. Once operational, diesel-fueled vehicles would access the project site and the gasoline dispensing facility would be a source of benzene. The following project-specific health risk significance thresholds are applied in this analysis:

- Maximum Incremental Cancer Risk: >=20 in 1 million.
- Hazard Index (project increment) >=1.0.

Fugitive Dust

Construction

Fugitive dust would be generated from site grading and other earth-moving activities. Most of this fugitive dust would remain localized and would be deposited near the project site. However, the potential for impacts from fugitive dust exists unless control measures are implemented to reduce the emissions from the project site. Therefore, adherence to Regulation VIII would be required during construction of the proposed project. Regulation VIII would require fugitive dust control measures that are consistent with best management practices (BMPs) established by the SJVAPCD to reduce the proposed project's construction-generated fugitive dust impacts to a less than significant level.

The SJVAPCD (SJVAPCD or District) adopted Regulation VIII in 1993 and its most recent amendments became effective on October 1, 2004. This is a basic summary of the regulation's requirements as they apply to construction sites. These regulations affect all workers at a regulated construction site, including everyone from the landowner to the subcontractors. Violations of Regulation VIII are subject to enforcement action including fines.[9]

Visible Dust Emissions may not exceed 20 percent opacity during periods when soil is being disturbed by equipment or by wind at any time. Visible Dust Emissions opacity of 20 percent means dust that would obstruct an observer's view of an object by 20 percent. District inspectors are state certified to evaluate visible emissions. Dust control may be achieved by applying water before/during earthwork and onto unpaved traffic areas, phasing work to limit dust, and setting up wind fences to limit windblown dust.

Soil Stabilization is required at regulated construction sites after normal working hours and on weekends and holidays. This requirement also applies to inactive construction areas such as phased projects where disturbed land is left unattended. Applying water to form a visible crust on the soil and restricting vehicle access are often effective for short-term stabilization of disturbed surface areas. Long-term methods including applying dust suppressants and establishing vegetative cover.

Carryout and Trackout occur when materials from emptied or loaded vehicles falls onto a paved surface or shoulder of a public road or when materials adhere to vehicle tires and are deposited onto a paved surface or shoulder of a public road. Should either occur, the material must be cleaned up at least daily, and immediately if it extends more than 50 feet from the exit point onto a paved road. The appropriate clean-up methods require the complete removal and cleanup of mud and dirt from the paved surface and shoulder. Using a blower device or dry sweeping with any mechanical device other than a PM10-efficient street sweeper is a violation. Larger construction sites, or sites with a high amount of traffic on one or more days, must prevent carryout and trackout from occurring by installing gravel pads, grizzlies, wheel washers,

[9] San Joaquin Valley Air Pollution Control District (SJVAPCD). 2007. Compliance Assistance Bulletin. Website: http://www.valleyair.org/busind/comply/pm10/forms/RegVIIICAB.pdf. Accessed May 29, 2021.

paved interior roads, or a combination thereof at each exit point from the site. In many cases, cleaning up trackout with water is also prohibited as it may lead to plugged storm drains. Prevention is the best method.

Unpaved Access and Haul Roads, as well as unpaved vehicle and equipment traffic areas at construction sites must have dust control. Speed limit signs limiting vehicle speed to 15 mph or less at construction sites must be posted every 500 feet on uncontrolled and unpaved roads.

Storage Piles and Bulk Materials have handling, storage, and transportation requirements that include applying water when handling materials, wetting or covering stored materials, and installing wind barriers to limit visible dust emissions. Also, limiting vehicle speeds, loading haul trucks with a freeboard of six inches or greater along with applying water to the top of the load, and covering the cargo compartments are effective measures for reducing visible dust emissions and carryout from vehicles transporting bulk materials.

Dust Control Plans identify the dust sources and describe the dust control measures that will be implemented before, during, and after any dust generating activity for the duration of the project. Owners or operators are required to submit plans to the SJVAPCD at least 30 days prior to commencing the work for the following:

- Residential developments of ten or more acres of disturbed surface area.
- Non-residential developments of five or more acres of disturbed surface area.
- The relocation of more than 2,500 cubic yards per day of materials on at least three days.

Operations may not commence until the SJAVPCD has approved the Dust Control Plan. A copy of the plan must be on site and available to workers and District employees. All work on the site is subject to the requirements of the approved dust control plan. A failure to abide by the plan by anyone on site may be subject to enforcement action.

Record Keeping is required to document compliance with the rules and must be kept for each day any dust control measure is used. The SJVAPCD has developed record forms for water application, street sweeping, and “permanent” controls such as applying long term dust palliatives, vegetation, ground cover materials, paving, or other durable materials. Records must be kept for one year after the end of dust generating activities (Title V sources must keep records for five years).

Exemptions exist for several activities. Those occurring above 3,000 feet in elevation are exempt from all Regulation VIII requirements. Further, Rule 8021 – Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities exempts the following construction and earthmoving activities:

- Blasting activities permitted by California Division of Industrial Safety.
- Maintenance or remodeling of existing buildings provided the addition is less than 50% of the size of the existing building or less than 10,000 square feet (due to asbestos concerns, contact the SJVAPCD at least two weeks ahead of time).
- Additions to single family dwellings.

- The disking of weeds and vegetation for fire prevention on sites smaller than ½ acre.
- Spreading of daily landfill cover to preserve public health and safety and to comply with California Integrated Waste Management Board requirements.

Nuisances are prohibited at all times because District Rule 4102 – Nuisance applies to all construction sources of fugitive dust, whether or not they are exempt from Regulation VIII. It is important to monitor dust-generating activities and implement appropriate dust control measures to limit the public's exposure to fugitive dust.

Environmental Impact Analysis

This section discusses potential impacts related to air quality associated with the proposed project and provides mitigation measures where necessary.

Impact AIR-1 Conflict with or obstruct implementation of the applicable air quality plan?

Impact Analysis

The CEQA Guidelines indicate that a significant impact would occur if the project would conflict with or obstruct implementation of the applicable air quality plan. The GAMAQI indicates that projects that do not exceed SJVAPCD regional criteria pollutant emissions quantitative thresholds would not conflict with or obstruct the applicable air quality plan (AQP). An additional criterion regarding the project's implementation of control measures was assessed to provide further evidence of the project's consistency with current AQPs. This document proposes the following criteria for determining project consistency with the current AQPs:

1. Will the project result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQPs? This measure is determined by comparison to the regional and localized thresholds identified by the District for Regional and Local Air Pollutants.

2. Will the project comply with applicable control measures in the AQPs? The primary control measures applicable to development projects is Regulation VIII—Fugitive PM_{10} Prohibitions and Rule 9510 Indirect Source Review.

Contribution to Air Quality Violations

A measure for determining if the project is consistent with the air quality plans is if the project would not result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the air quality plans. Regional air quality impacts and attainment of standards are the result of the cumulative impacts of all emission sources within the air basin. Individual projects are generally not large enough to contribute measurably to an existing violation of air quality standards. Therefore, the cumulative impact of the project is based on its cumulative contribution. Because of the region's nonattainment status for ozone, $PM_{2.5}$, and PM_{10}—if project-generated emissions of either of the ozone precursor pollutants (ROG and NO_X), PM_{10}, or $PM_{2.5}$ would exceed the SJVAPCD's significance thresholds—then the project would be considered to contribute to violations of the applicable standards and conflict with the attainment plans.

As shown in Table 8 and Table 9 under Impact AIR-2 below, the project's construction and operational regional emissions would not exceed SJVAPCD's regional criteria pollutant emissions quantitative thresholds. Therefore, the proposed project would not be considered in conflict with or obstruct implementation of the applicable air quality plan based on this criterion.

Compliance with Applicable Control Measures

There are currently no applicable air quality plans in the Lake County Air Basin for the proposed project to conflict with. As a mixed-use project consisting of residential and commercial development located in a developing area of a built-up city, the proposed project would create a considerable amount of internal capture among its components to reduce vehicle miles traveled compared to the same level of development built with land uses geographically separated from each other.

SJVAPCD Rule 9510—Indirect Source Review (ISR) is a control measure in the 2006 PM_{10} Plan that requires NO_X and PM_{10} emission reductions from development projects in the San Joaquin Valley. The NO_X emission reductions help reduce the secondary formation of PM_{10} in the atmosphere (primarily ammonium nitrate and ammonium sulfate) and also reduce the formation of ozone. Reductions in directly emitted PM_{10} reduce particles such as dust, soot, and aerosols. Rule 9510 is also a control measure in the 2016 Plan for the 2008 8-Hour Ozone Standard. Developers of projects subject to Rule 9510 must reduce emissions occurring during construction and operational phases through on-site measures, or pay off-site mitigation fees. The proposed project would be subject to Rule 9510.

Regulation VIII—Fugitive PM_{10} **Prohibitions** is a control measure that is one main strategies from the 2006 PM_{10} for reducing the PM_{10} emissions that are part of fugitive dust. Residential projects over 10 acres and non-residential projects over 5 acres are required to file a Dust Control Plan (DCP) containing dust control practices sufficient to comply with Regulation VIII. The project will be required to prepare a DCP to comply with Regulation VIII and would be required to implement dust control measures during the construction period.

Rule 2201—New and Modified Stationary Source Review Rule requires the review of new and modified Stationary Sources of air pollution and to provide mechanisms including emission trade-offs by which Authorities to Construct such sources may be granted, without interfering with the attainment or maintenance of Ambient Air Quality Standards. Components of the project may be required to obtain permits and abide by associated regulations set forth by Rule 2201.

Other control measures that apply to the project are Rule 4641—Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operation that requires reductions in VOC emissions during paving and Rule 4601—Architectural Coatings that limits the VOC content of all types of paints and coatings sold in the San Joaquin Valley. These measures apply at the point of sale of the asphalt and the coatings, so project compliance is ensured without additional mitigation measures.

The project would comply with all applicable SJVAPCD rules and regulations. Therefore, the proposed project would not conflict with or obstruct implementation of the applicable air quality attainment plan under this criterion.

Conclusion

As described above, the proposed project's construction and operational regional emissions would not exceed SJVAPCD's regional criteria pollutant emissions quantitative thresholds. Furthermore, the proposed project would comply with all applicable SJVAPCD rules and

regulations. Accordingly, the proposed project would not conflict with or obstruct implementation of the applicable air quality plans, and, therefore, this impact would be less than significant.

Level of Significance Before Mitigation
Less than significant.

Mitigation Measures
No mitigation measures are necessary.

Impact AIR-2 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?

Impact Analysis

To result in a less than significant impact, the following criteria must be true:

1. Regional analysis: emissions of nonattainment pollutants must be below the SJVAPCD's regional significance thresholds. This is an approach recommended by the District in its GAMAQI.
2. Summary of projections: the project must be consistent with current air quality attainment plans including control measures and regulations. This is an approach consistent with Section 15130(b) of the CEQA Guidelines.
3. Cumulative health impacts: the project must result in less than significant cumulative health effects from the nonattainment pollutants. This approach correlates the significance of the regional analysis with health effects, consistent with the court decision, *Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) 124 Cal.App.4th 1184, 1219-20.

Regional Emissions

Air pollutant emissions have both regional and localized effects. This analysis assesses the regional effects of the project's criteria pollutant emissions in comparison to SJVAPCD thresholds of significance for short-term construction activities and long-term operation of the project. Localized emissions from project construction and operation are assessed under Impact AIR-3—Sensitive Receptors using concentration-based thresholds that determine if the project would result in a localized exceedance of any ambient air quality standards or would make a cumulatively considerable contribution to an existing exceedance.

The primary pollutants of concern during project construction and operation are ROG, NO_X, PM_{10}, and $PM_{2.5}$. The SJVAPCD GAMAQI adopted in 2015 contains thresholds for CO, NO_X, ROG, SO_X, PM_{10}, and $PM_{2.5}$.

Ozone is a secondary pollutant that can be formed miles from the source of emissions, through reactions of ROG and NO_X emissions in the presence of sunlight. Therefore, ROG and NO_X are termed ozone precursors. The Air Basin often exceeds the state and national ozone standards.

Therefore, if the project emits a substantial quantity of ozone precursors, the project may contribute to an exceedance of the ozone standard. The Air Basin also exceeds air quality standards for PM_{10}, and $PM_{2.5}$; therefore, substantial project emissions may contribute to an exceedance for these pollutants. The SJVAPCD's annual emission significance thresholds used for the project define the substantial contribution for both operational and construction emissions as follows:

- 100 tons per year CO
- 10 tons per year NO_X
- 10 tons per year ROG
- 27 tons per year SO_X
- 15 tons per year PM_{10}
- 15 tons per year $PM_{2.5}$

The project does not contain sources that would produce substantial quantities of SO_2 emissions during construction and operation. Modeling conducted for the project show that SO_2 emissions are well below the SJVAPCD GAMAQI thresholds, as shown in the modeling results contained in Attachment A. No further discussion of SO_2 is required.

Construction Emissions

Construction activities associated with development of the proposed project would include site preparation, grading, building construction, paving, and architectural coatings. Emissions from construction-related activities are generally short-term in duration but may still cause adverse air quality impacts. During construction, fugitive dust would be generated from earth-moving activities. Exhaust emissions would also be generated from off-road construction equipment and construction-related vehicle trips. Emissions associated with construction of the proposed project are discussed below.

Table 8 provides the construction emissions estimate for the proposed project. Please refer to the Modeling Parameters and Assumptions section of this technical memorandum for details regarding assumptions used to estimate construction emissions. The duration of construction activity and associated equipment represent a reasonable approximation of the expected construction fleet as required pursuant to CEQA guidelines.

Table 8: Construction Annual and Daily Average Emissions (Unmitigated Average Daily Rate)

	Air Pollutants				
Parameter	**ROG**	**NO_X**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Residential Development					
Site Preparation and Grading	0.01	0.08	0.04	0.01	0.01
Building Construction	0.22	1.61	1.78	0.14	0.09
Paving	<0.01	0.04	0.06	<0.01	<0.01
Architectural Coating	0.32	0.01	0.01	<0.01	<0.01
Residential Development Subtotal	*0.55*	*1.74*	*1.90*	*0.16*	*0.10*

Commercial Development					
Site Preparation and Grading	0.02	0.22	0.12	0.05	0.03
Building Construction	0.24	1.93	2.32	0.23	0.12
Paving	0.01	0.08	0.12	0.01	< 0.01
Architectural Coating	0.11	0.01	0.02	<0.01	<0.01
Commercial Development Subtotal	*0.38*	*2.24*	*2.58*	*0.29*	*0.15*
Entire Project (Residential and Commercial Development)					
Total Emissions from All Construction Activities (2022-2023)					
Total Project Construction Emissions (tons/year)	*0.98*	3.97	*4.48*	*0.44*	*0.25*
Average Annual Construction Emissions (tons/year)[1]	**0.87**	**3.75**	**4.22**	**0.42**	**0.24**
Significance Threshold (tons/year)	**10**	**10**	**100**	**15**	**15**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**

Notes:
Calculations (including totals) use unrounded results; totals in the summary table may not appear to sum exactly due to rounding.
PM_{10} and $PM_{2.5}$ emissions are from the mitigated output to reflect compliance with Regulation VIII—Fugitive PM_{10} Prohibitions.
[1] Average annual construction emissions were calculated by dividing the total construction emissions by the entire construction duration in years (1.06 years for the proposed project).
NO_X = oxides of nitrogen
PM_{10} = particulate matter 10 microns in diameter
$PM_{2.5}$ = particulate matter 2.5 microns in diameter
ROG = reactive organic gases
Source: CalEEMod Output (Attachment A).

As shown in Table 8, estimated emissions from construction of project are below the SJVAPCD significance thresholds. Therefore, the regional construction emissions would be less than significant on a project basis.

Operational Emissions

As previously discussed, the pollutants of concern include ROG, NO_X, CO, PM_{10}, and $PM_{2.5}$. Emissions were assessed for full buildout operations in the 2023 operational year. The 2023 operational year was chosen as it would be the best representation of the project as it is year earliest year the project could become fully operational, thus generating the full amount of expected operational activity. The SJVAPCD Criteria Air Pollutant Significance thresholds were used to determine impacts. Operational annual emissions are shown in Table 9 below.

Table 9: Operational Annual Emissions for Full Buildout (Unmitigated)

Emissions Source	Tons per Year				
	ROG	**NO_X**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Residential Development					
Area	0.46	0.02	0.36	<0.01	<0.01
Energy Consumption	0.01	0.05	0.03	<0.01	<0.01
Mobile (On-road Vehicles)	0.11	0.23	1.39	0.39	0.11
Residential Development Subtotal	*0.57*	*0.30*	*1.78*	*0.40*	*0.11*
Commercial Development					
Area	0.16	0.00	0.00	0.00	0.00
Energy Consumption	0.00	0.04	0.04	0.00	0.00
Mobile (On-road Vehicles)	2.19	2.23	12.93	1.86	0.51
Commercial Development Subtotal	*2.35*	*2.27*	*12.97*	*1.86*	*0.51*
Total Emissions from all Operational Activities from the Proposed Project (Residential + Commercial)					
Total Project Annual Emissions	**2.92**	**2.57**	**14.74**	**2.26**	**0.63**
Thresholds of Significance	**10**	**10**	**100**	**15**	**15**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**

Notes:
Calculations (including totals) use unrounded results; totals in the summary table may not appear to sum exactly due to rounding.
NO_X = oxides of nitrogen
$PM_{2.5}$ = particulate matter 2.5 microns or less in diameter
PM_{10} = particulate matter 10 microns or less in diameter
ROG = reactive organic gases
Source: CalEEMod Output (Attachment A).

As shown in Table 9, the proposed project would not result in net operational-related air pollutants or precursors that would exceed the applicable thresholds of significance. Therefore, project operations would not be considered to have the potential to generate a significant quantity of air pollutants; long-term operational impacts associated with the project's criteria pollutant emissions would be less than significant.

Level of Significance Before Mitigation

Potentially significant.

Mitigation Measures

Less than significant.

Impact AIR-3 Expose sensitive receptors to substantial pollutant concentrations?

Impact Analysis

Emissions occurring at or near the project have the potential to create a localized impact that could expose sensitive receptors to substantial pollutant concentrations. Sensitive receptors are considered land uses or other types of population groups that are more sensitive to air pollution than others due to their exposure. Sensitive population groups include children, the elderly, the acutely and chronically ill, and those with cardio-respiratory diseases. The SJVAPCD considers a sensitive receptor to be a location that houses or attracts children, the elderly, people with illnesses, or others who are especially sensitive to the effects of air pollutants. Examples of sensitive receptors include hospitals, residences, convalescent facilities, and schools.

The closest existing sensitive receptors (to the site area) are residences located approximately 45 feet east of the project site, near the southeast corner of the project. In addition, the area bordering the project site to the east is zoned for residential uses in the Farmersville General Plan.[10] There are existing residences within 1,000 feet of the project site to the north (approximately 660 feet north of the project site), northeast (directly adjacent to the northeast corner of the project site), southeast (approximately 530 feet southwest of the project site), and west (approximately 570 feet west of the project site). Another notable sensitive receptor land use is an existing school located approximately 680 feet southeast of the project site. In addition, the multi-family residences included as part of the proposed project would be considered sensitive receptors once occupied.

Localized Impacts

Emissions occurring at or near the project have the potential to create a localized impact also referred to as an air pollutant hotspot. Localized emissions are considered significant if when combined with background emissions, they would result in exceedance of any health-based air quality standard. In locations that already exceed standards for these pollutants, significance is based on a significant impact level (SIL) that represents the amount that is considered a cumulatively considerable contribution to an existing violation of an air quality standard. The pollutants of concern for localized impact in the SJVAB are NO_2, SO_X, and CO.

The SJVAPCD has provided guidance for screening localized impacts in the GAMAQI that establishes a screening threshold of 100 pounds per day of any criteria pollutant. If a project exceeds 100 pounds per day of any criteria pollutant, then ambient air quality modeling would be necessary. If the project does not exceed 100 pounds per day of any criteria pollutant, then it can be assumed that it would not cause a violation of an ambient air quality standard.

Construction: Localized Concentrations of PM_{10}, $PM_{2.5}$, CO, and NO_X

Local construction impacts would be short-term in nature lasting only during the duration of construction. As shown in Table 10 below, on-site construction emissions would be less than 100 pounds per day for each of the criteria pollutants. To present a conservative estimate, on-

[10] City of Farmersville. 2002. Farmersville General Plan Update – Part 1. Website: https://www.cityoffarmersville-ca.gov/DocumentCenter/View/387/Part-I-The-General-Plan. Accessed May 27, 2022.

site emissions for on-road construction vehicles were included in the localized analysis. Based on the SJVAPCD's guidance, the construction emissions would not cause an ambient air quality standard violation.

Table 10: Localized Concentrations of PM_{10}, $PM_{2.5}$, CO, and NO_X for Construction

Source	On-site Emissions (pounds per day)				
	ROG	**NO_X**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Project Construction—2022					
Residential—2022	1.96	17.02	14.75	3.93	2.22
Commercial—2022	3.22	33.16	19.88	10.46	6.03
2022 Subtotal	*5.18*	*50.18*	*34.63*	*14.39*	*8.26*
Project Construction—2023					
Residential—2023	62.98	13.77	14.60	0.62	0.59
Commercial—2023	12.39	14.90	17.16	0.73	0.67
2023 Subtotal	*75.37*	*28.67*	*31.76*	*1.35*	*1.26*
Entire Project Construction Duration (2022-2023)					
Maximum Daily On-site Emissions	**75.37**	**50.18**	**34.63**	**14.39**	**8.26**
Significance Thresholds	—	100	100	100	100
Exceed Significance Thresholds?	—	No	No	No	No

Note: Overlap of construction activities is based on the construction schedule shown in Table 1 and Attachment A.

Source of Emissions: CalEEMod Output and Additional Supporting Information (Attachment A). Maximum daily emissions of NO_X, CO, PM_{10}, and $PM_{2.5}$ were highest in the Winter scenario, while maximum daily emissions of ROG were highest in the Summer scenario.

Source of Thresholds: San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. February 19. Website: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed May 20, 2022.

Operation: Localized Concentrations of PM_{10}, $PM_{2.5}$, CO, and NO_X

Localized impacts could occur in areas with a single large source of emissions, such as a power plant, or at locations with multiple sources concentrated in a small area, such as a distribution center. Although mixed-use projects consisting of residential and neighborhood commercial development are typically less likely to cause a localized air quality impact compared to land uses with large sources of emissions or multiple concentrated sources of emissions, the proposed project would emit air pollutants that have the potential to create a localized impact. The maximum daily operational emissions would occur at project buildout, which was assumed to occur in 2023. Operational emissions include those generated on-site by area sources such as consumer products, and landscape maintenance, energy use from natural gas combustion, and motor vehicles operation at the project site. To assess localized air impacts, motor vehicle emissions were estimated for on-site operations using trip lengths for on-site travel. The trip lengths used to analyze on-site emissions was selected by measuring possible on-site paths

using Google Earth; the length for the longest measured route for the appropriate vehicle type was selected to present a conservative estimate of on-site emissions.

As shown in Table 11 below, operational modeling of on-site emissions for the project indicate that the project would not exceed 100 pounds per day for each of the criteria pollutants. Therefore, based on the SJVAPCD's guidance, the operational emissions would not cause an ambient air quality standard violation. As such, impacts would be less than significant.

Table 11: Localized Concentrations of PM_{10}, $PM_{2.5}$, CO, and NO_X for Operations

Source	On-site Emissions (pounds per day)				
	ROG	**NO_X**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Residential Development	3.33	1.13	6.56	0.13	0.10
Commercial Development	16.54	7.42	49.71	1.10	0.33
Total	**19.87**	**8.56**	**56.27**	**1.23**	**0.43**
Significance Thresholds	—	100	100	100	100
Exceed Significance Thresholds?	—	No	No	No	No

Source of Emissions: CalEEMod Output and Additional Supporting Information (Attachment A). Maximum daily emissions of ROG were highest in the Summer scenario, while maximum daily emissions of NO_X, CO, PM_{10}, and $PM_{2.5}$ were highest in the Winter scenario.

Source of Thresholds: San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. February 19. Website: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed May 20, 2022.

Toxic Air Contaminants

Construction

Project construction would involve the use of diesel-fueled vehicles and equipment that emit DPM, which is considered a TAC. The SJVAPCD's current threshold of significance for TAC emissions is an increase in cancer risk for the maximally exposed individual of 20 in a million (formerly 10 in a million).

A project-level assessment was conducted of the potential community health risk and health hazard impacts on surrounding sensitive receptors resulting from the emissions of TACs during construction. A summary of the assessment is provided below, while the detailed assessment is provided in Attachment B.

Construction activity using diesel-powered equipment emits DPM, a known carcinogen. Diesel particulate matter includes exhaust PM_{10} and exhaust $PM_{2.5}$. A 10-year research program demonstrated that DPM from diesel-fueled engines is a human carcinogen and that chronic

(long-term) inhalation exposure to DPM poses a chronic health risk.[11] Health risks from TACs are a function of both concentration and duration of exposure. Construction diesel emissions are temporary, affecting an area for a period of weeks or months. Additionally, construction-related sources are mobile and transient in nature.

The health risk assessment evaluated DPM (represented as exhaust PM_{10}) emissions generated during construction of the proposed project and the related health risk impacts for sensitive receptors located within 1,000 feet of the project boundary. According to the BAAQMD, a project would result in a significant impact if it would individually expose sensitive receptors to TACs resulting in an increased cancer risk greater than 10.0 in one million, an increased non-cancer risk of greater than 1.0 on the hazard index (chronic or acute).

The project site is located within 1,000 feet of existing and planned sensitive receptors that could be exposed to diesel emission exhaust during the construction period. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to concentrations at the receptor locations of interest (i.e., receptors at a nearby hospital). A maximally exposed receptor (MER) was determined for construction of the project for off-site receptors and future residential receptors through the use of the dispersion modeling. Risks from all phases of construction were calculated for the MER location identified in each scenario. Surrounding land uses and off-site sensitive receptors are as follows:

Because construction of the proposed project and occupancy of the residential portion of the project could overlap, risks from construction of the commercial development were assessed at the proposed residents located on-site and are included as part of Attachment B.

Table 12 presents a summary of the proposed project's construction cancer risk and chronic non-cancer hazard impacts at the MER from project construction prior to the application of any equipment mitigation.

Table 12: Unmitigated Health Risks from Project Construction to Off-Site Receptors

Scenario	Health Impact Metric	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index[2]
Risks and Hazards from Project Construction to the Off-site MER[1]			
Total project construction	Risks and Hazards at the MER: Infants	58.28	0.079
	Risks and Hazards at the MER: Child	16.39	0.079
	Risks and Hazards at the MER: Adult	1.84	0.079
Highest From Any Scenario			
Total project construction	Risks and Hazards at the MER (Infant Scenario)	58.28	0.079
	Applicable Threshold of Significance	**20**	**1**
	Exceeds Individual Source Threshold?	Yes	No
Notes: MER = Maximally Exposed Receptor			

[11] California Air Resources Board (CARB). 2015. The Report on Diesel Exhaust. Website: https://ww2.arb.ca.gov/sites/default/files/classic/toxics/dieseltac/de-fnds.htm. Accessed October 8, 2021.

Scenario	Health Impact Metric	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index[2]
[1] UTM for Off-site MER: 302083.25, 4020914.24 [2] Chronic non-cancer hazard index was estimated by dividing the annual DPM concentration (as PM_{10} exhaust) by the REL of 5 µg/m^3. Source: Attachment B.			

As shown in Table 12, estimated health risks from elevated DPM concentrations during construction of the proposed project would exceed the applicable cancer risk significance threshold in at least one scenario. This represents a potentially significant construction TAC exposure impact. Therefore, mitigation is required to reduce the impact during the construction period to below a level of significance.

MM AIR-3a requires the project applicant, project sponsor, or construction contractor to provide documentation to the City of Farmersville that all off-road diesel-powered construction equipment greater than 50 horsepower meet EPA or CARB Tier 4 off-road emissions standards. Table 13 shows the health risks and non-cancer hazard index for construction with implementation of Tier 4 mitigation, as required by MM AIR-3a.

Table 13: Mitigated Health Risks from Project Construction to Off-Site Receptors

Scenario	Health Impact Metric	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index[2]
Risks and Hazards from Project Construction to the Off-site MER[1]			
Total project construction	Risks and Hazards at the MER: Infants	14.40	0.020
	Risks and Hazards at the MER: Child	4.05	0.020
	Risks and Hazards at the MER: Adult	0.45	0.020
Highest From Any Scenario			
Total project construction	Risks and Hazards at the MEI (Infant Scenario)	14.40	0.020
	Applicable Threshold of Significance	**20**	**1**
	Exceeds Individual Source Threshold?	No	No
Notes: MER = Maximally Exposed Receptor [1] UTM for Off-site MER: 302083.25, 4020914.24 [2] Chronic non-cancer hazard index was estimated by dividing the annual DPM concentration (as PM_{10} exhaust) by the REL of 5 µg/m^3. Source: Attachment B.			

As noted in Table 13, calculated health metrics from the proposed project's construction DPM emissions would not exceed the cancer risk significance threshold or non-cancer hazard index significance threshold at the MEI with incorporation of MM AIR-3a. Therefore, the proposed project would not result in a significant impact on nearby sensitive receptors from TACs during construction with incorporation of mitigation.

Operations

The proposed project would develop approximately 7.38 acres of mixed-use development consisting of neighborhood commercial uses and multi-family residential uses and would not generate substantial on-site TAC emissions during operation. The types of commercial development that would be developed by the project are not operational uses that are typically associated with TAC emissions with the exception of the gasoline station consisting of 12 vehicle fueling positions that is included as part of the project. This proposed gas station, as well as the TACs associated it, are discussed separately further below.

Operation DPM

As described in the traffic study prepared for the proposed project, the project is expected to generate a net 5,764 average daily weekday trips before reductions for internal capture.[12] The proposed project would primarily generate trips associated with residents and visitors traveling to and from the project site. The daily travel trips to and from the project site would primarily be generated by passenger vehicles. Because nearly all passenger vehicles are gasoline-combusted, the proposed project would not generate significant amount of DPM emissions during operation. Therefore, the proposed project would not result in significant health impacts to nearby sensitive receptors from emissions project-generated trips during operation.

Unlike warehouses or distribution centers, the daily vehicle trips generated by the proposed project would be primarily generated by passenger vehicles. Passenger vehicles typically use gasoline engines rather than the diesel engines that are found in heavy-duty trucks. Gasoline-powered vehicles do emit TACs in the form of toxic organic gases, some of which are carcinogenic. Compared to the combustion of diesel, the combustion of gasoline has relatively low emissions of TACs. Thus, residential projects produce limited amounts of TAC emissions during operation.

Operational DPM emissions from diesel trucks were estimated using EMFAC 2017 emission factors and estimated truck travel and idling at the project site. The emissions were entered into the SJVAPCD Prioritization Screening Tool to determine the risk scores, with complete calculations and assumptions included as part of Attachment A. The results of the screening analysis are provided in Table 14.

Table 14: Prioritization Tool Health Risk Screening Results (Operational DPM Emissions)

Impact Source	Cancer Risk Score	Chronic Risk Score	Acute Risk Score
On-site Diesel Trucks during Project Operations	11.70	0.006	0.000
Total Risk from Project Operations	**11.70**	**0.006**	**0.000**
Screening Risk Score Threshold	**10**	**1**	**1**

[12] Peters Engineering Group. 2022. Scope of Traffic Study: Proposed Camino Castaneda Commercial and Residential Development Northeast of the Intersection of Farmersville Boulevard and Walnut Avenue Farmersville, California. March 14.

Screening Thresholds Exceeded?	**Yes**	**No**	**No**
Source: Attachment A – Modeling Assumptions, CalEEMod Output files, and Operational Screening Results			

As shown in Table 14, the project would not exceed chronic hazard threshold levels; however, the project would exceed the screening cancer risk score. The primary source of the emissions responsible for chronic risk are from diesel trucks. DPM does not have an acute risk factor. Since the project exceeds the applicable SJVAPCD screening thresholds for cancer risk, dispersion modeling was performed to estimate health risks from DPM emissions during project operations. DPM emissions estimated for the screening analysis were used in the AERMOD model to estimate risks. The results of the operational HRA from project-generated sources of DPM during operations are summarized below, while the complete assessment is included as part of Attachment B.

Table 15: Summary of the Health Impacts Risk Impacts (Operational DPM Emissions)

Exposure Scenario	Maximum Cancer Risk (Risk per Million)	Chronic Non-Cancer Hazard Index
70-Year Exposure at the MER	11.57	0.0023
Applicable Threshold of Significance	**20**	**1**
Exceeds Individual Source Threshold in Any Scenario?	**No**	**No**
Notes: MER = Maximally Exposed Receptor MER UTM: (302004.18, 4020905.47) Source: Attachment B.		

As shown in Table 15, the project would not exceed the applicable cancer risk or chronic risk threshold levels. The primary source of the DPM emissions responsible for chronic risk are from diesel trucks. DPM does not have an acute risk factor. Since the project does not exceed the applicable SJVAPCD thresholds for cancer risk, acute risk, or chronic risk, the impact related to the project's potential to expose sensitive receptors to substantial pollutant concentrations from non-permitted sources would be less than significant.

Gasoline Station (Benzene)

Out of the toxic compounds emitted from gasoline stations, benzene, ethylbenzene, and naphthalene have cancer toxicity values. However, benzene is the TAC which drives the risk, accounting for 85 percent of cancer risk from gasoline vapors. Furthermore, benzene constitutes more than three to four times the weight of gasoline than ethylbenzene and naphthalene, respectively.[13] Therefore, ethylbenzene and naphthalene have not been modeled and are instead considered significant in the case that benzene emissions are significant.

[13] South Coast Air Quality Management District (SCAQMD). 2015. Risk Assessment Procedures for Rules 1401, 1401.1, and 212. Website:http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/1401/appx_1401riskassessproc_071517nw.pdf. Accessed May 20, 2022.

Additionally, there are substances emitted from gasoline stations, such as toluene and xylene which possess acute adverse health effects (though not cancer risk). However, it is not until the benzene concentrations are more than two orders of magnitude above 10 in one million that the emissions of toluene and xylene begin to cause adverse health effects.[14] Therefore, toluene and xylene emissions have not been modeled and are instead considered significant in the case that benzene concentrations are identified at two orders of magnitude above 10 in one million cancer risk.

Emissions sources in the model include proposed on-site fuel storage tanks and fuel dispensers. The proposed project contemplates underground fuel storage tanks and six fuel pumps (12 vehicle fueling positions). The specific processes associated with fuel storage tanks and fuel dispensers that emit air toxics include loading, breathing, refueling, and spillage, as described below:

- Loading – Emissions occur when a fuel tanker truck unloads gasoline into the storage tanks. The storage tank vapors, displaced during loading, are emitted through its vent pipe. (A required pressure/vacuum valve installed on the tank vent pipe significantly reduces these emissions.)
- Breathing – Emissions occur through the storage tank vent pipe as a result of temperature and pressure changes in the tank vapor space.
- Refueling – Emissions occur during motor vehicle refueling when gasoline vapors escape through the vehicle/nozzle interface.
- Spillage – Emissions occur from evaporating gasoline that spills during vehicle refueling.

Loading and breathing emissions exit the underground storage tank vent pipe and are thus treated as a point source. The height and diameter of the vent are assumed to be 3.66 meters and 0.05 meters, respectively. Refueling and spillage emissions are modeled as volume sources with a vertical dimension of 5 meters to correspond to the height of the canopy. For refueling, the release height is assumed to be 1 meter to approximate the height of a vehicle fuel tank inlet, whereas spillage emissions are assumed to be released at ground level since nearly all the gasoline from spillage reaches the ground.

The model was run to obtain the peak 24-hour and annual average concentration in micrograms per cubic meter [µg/m3] at nearby sensitive receptors.

The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the U.S. EPA Human Health Evaluation Manual[15] and the Office of Environmental Health Hazard Assessment (OEHHA) Guidance Manual.[16]

Results of the health risk analysis from operations of the proposed gasoline station are summarized in Table 16. Health risk metrics are shown for the MER for on-site sensitive receptors (in the form of future on-site residents) and off-site sensitive receptors. The complete

[14] California Air Pollution Control Officers Association (CAPCOA). 1997. Gasoline Service Station Industrywide Risk Assessment Guidelines. Website: https://www.co.monterey.ca.us/home/showdocument?id=22409. Accessed May 20, 2022.
[15] United States Environmental Protection Agency (U.S. EPA). 1991. Human Health Evaluation Manual. Website: https://www.epa.gov/sites/default/files/2015-11/documents/defaultExposureParams.pdf. Accessed May 20, 2022.
[16] Office of Environmental Health Hazard Assessment (OEHHA). 2015. Risk Assessment Guidelines. Website: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed May 20, 2022.

HRA prepared for the proposed project, including calculations and AERMOD output data used in the construction HRA, are included in Attachment B of this memorandum.

Table 16: Summary of the Health Impacts from Operations of the Proposed Gasoline Station (70-year Exposure Scenario)

Exposure Scenario	Maximum Cancer Risk (Risk per Million)	Chronic Non-Cancer Hazard Index	Acute Non-Cancer Hazard from Maximum Hourly Benzene
70-Year Exposure at the On-site MER	1.29	0.005	0.302
70-Year Exposure at the Offsite MER	0.65	0.003	0.008
Applicable Threshold of Significance	**20**	**1**	**1**
Exceeds Individual Source Threshold in Any Scenario?	**No**	**No**	**No**

Notes:
MER = Maximally Exposed Receptor
Source: Attachment B.

As shown above in Table 16, the project calculated health metrics from the proposed project's operational emissions would not exceed the cancer risk significance threshold, non-cancer hazard index significance threshold, or acute non-cancer hazard at either the on-site or of fist MER. Therefore, the proposed project would not result in a significant impact on nearby sensitive receptors from project-generated TACs during operations.

Operations—The Project's Potential to Locate Sensitive Receptor Near Existing Sources of TACs

The proposed project would develop approximately 7.38 acres of mixed-use development consisting of neighborhood commercial uses and multi-family residential uses. As the proposed project includes the development of residential uses, the project would locate new sensitive receptors that could be subject to existing sources of TACs at the project site. However, the California Supreme Court concluded in *California Building Industry Association v. BAAQMD* that agencies subject to CEQA are not required to analyze the impact of existing environmental conditions on a project's future users or residents. This impact will not be further addressed in this document.

Valley Fever

Valley fever, or coccidioidomycosis, is an infection caused by inhalation of the spores of the fungus, *Coccidioides immitis* (*C. immitis*). The spores live in soil and can live for an extended time in harsh environmental conditions. Activities or conditions that increase the amount of fugitive dust contribute to greater exposure, and they include dust storms, grading, and recreational off-road activities.

The San Joaquin Valley is considered an endemic area for Valley fever. The San Joaquin Valley is considered an endemic area for Valley fever. During 2000–2018, a total of 65,438 coccidioidomycosis cases were reported in California; median statewide annual incidence was 7.9 per 100,000 population and varied by region from 1.1 in Northern and Eastern California to 90.6 in the Southern San Joaquin Valley, with the largest increase (15-fold) occurring in the Northern San Joaquin Valley. Incidence has been consistently high in six counties in the Southern San Joaquin Valley (Fresno, Kern, Kings, Madera, Tulare, and Merced counties) and Central Coast (San Luis Obispo County) regions.[17] California experienced 7,392 new probable or confirmed cases of Valley fever in 2020. A total of 311 Valley fever cases were reported in Tulare County in 2020.[18]

The distribution of *C. immitis* within endemic areas is not uniform and growth sites are commonly small (a few tens of meters) and widely scattered. Known sites appear to have some ecological factors in common suggesting that certain physical, chemical, and biological conditions are more favorable for *C. immitis* growth. Avoidance, when possible, of sites favorable for the occurrence of *C. immitis* is a prudent risk management strategy. Listed below are ecologic factors and sites favorable for the occurrence of *C. immitis*:

1) Rodent burrows (often a favorable site for *C. immitis*, perhaps because temperatures are more moderate and humidity higher than on the ground surface)
2) Old (prehistoric) Indian campsites near fire pits
3) Areas with sparse vegetation and alkaline soils
4) Areas with high salinity soils
5) Areas adjacent to arroyos (where residual moisture may be available)
6) Packrat middens
7) Upper 30 centimeters of the soil horizon, especially in virgin undisturbed soils
8) Sandy, well-aerated soil with relatively high water-holding capacities

Sites within endemic areas less favorable for the occurrence of *C. immitis* include:

1) Cultivated fields
2) Heavily vegetated areas (e.g., grassy lawns)
3) Higher elevations (above 7,000 feet)
4) Areas where commercial fertilizers (e.g., ammonium sulfate) have been applied
5) Areas that are continually wet

[17] Centers for Disease Control and Prevention (CDC). 2020. Regional Analysis of Coccidioidomycosis Incidence—California, 2000–2018. Website: https://www.cdc.gov/mmwr/volumes/69/wr/mm6948a4.htm?s_cid=mm6948a4_e. Accessed April 20, 2022.

[18] California Department of Public Health (CDPH). 2021. Coccidioidomycosis in California Provisional Monthly Report January 2021. Website: https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/CocciinCA ProvisionalMonthlyReport.pdf. Accessed April 20, 2022.

6) Paved (asphalt or concrete) or oiled areas
7) Soils containing abundant microorganisms
8) Heavily urbanized areas where there is little undisturbed virgin soil.[19]

The project is situated on a site previously disturbed that does not provide a suitable habitat for spores. Specifically, the project site is primarily covered with existing grassland. Therefore, implementation of the proposed project would have a low probability of the site having *C. immitis* growth sites and exposure to the spores from disturbed soil.

Although conditions are not favorable, construction activities could generate fugitive dust that contain *C. immitis* spores. The project will minimize the generation of fugitive dust during construction activities by complying with SJVAPCD's Regulation VIII. Therefore, this regulation, combined with the relatively low probability of the presence of *C. immitis* spores would reduce Valley fever impacts to less than significant.

During operations, dust emissions are anticipated to be relatively small, because most of the project area where operational activities would occur would be occupied by the proposed buildings and pavement associated with the proposed commercial and residential development. This condition would lessen the possibility of the project from providing habitat suitable for *C. immitis* spores and for generating fugitive dust that may contribute to Valley fever exposure. Impacts would be less than significant.

Naturally Occurring Asbestos

Review of the map of areas where naturally occurring asbestos in California are likely to occur found no such areas in the project area. Therefore, development of the project is not anticipated to expose receptors to naturally occurring asbestos.[20] Impacts would be less than significant.

Impact Analysis Summary

In summary, the project would not exceed SJVAPCD localized emission daily screening levels for any criteria pollutant. The project is not a significant source of TAC emissions during operation from non-permitted or permitted sources. The project would be significant source of TAC emissions during construction after incorporation of MM AIR-3a. The project is not in an area with suitable habitat for Valley fever spores and is not in area known to have naturally occurring asbestos. Therefore, the project would not result in significant impacts to sensitive receptors after incorporation of mitigation.

Level of Significance Before Mitigation

Potentially significant.

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[19] United States Geological Survey (USGS). 2000. Operational Guidelines (Version 1.0) for Geological Fieldwork in Areas Endemic for Coccidioidomycosis (Valley Fever), 2000, Open-File Report 2000-348. Website: https://pubs.usgs.gov/of/2000/0348/pdf/of00-348.pdf. Accessed April 20, 2022.

[20] U.S. Geological Survey. 2011. Van Gosen, B.S., and Clinkenbeard, J.P. California Geological Survey Map Sheet 59. Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California. Open-File Report 2011-1188 Website: https://pubs.usgs.gov/of/2011/1188/. Accessed May 20, 2022.

Mitigation Measures

MM AIR-3a Before a construction permit is issued for the proposed project, the project applicant, project sponsor, or construction contractor shall submit a construction emissions minimization plan to the City of Farmersville for review and approval. The construction emissions minimization plan(s) shall provide reasonably detailed compliance with the following requirements:

(1) Where portable diesel engines are used during construction, all off-road equipment with engines greater than 50 horsepower shall have engines that meet either EPA or CARB Tier 4 Final off-road emission standards except as otherwise specified herein. If engines that comply with Tier 4 Final off-road emission standards are not commercially available, then the construction contractor shall use the next cleanest piece of off-road equipment (e.g., Tier 4 Interim) that is commercially available. For purposes of this project design feature, "commercially available" shall mean the equipment at issue is available taking into consideration factors such as (i) critical-path timing of construction; and (ii) geographic proximity to the project site of equipment. If the relevant equipment is determined by the project applicant to not be commercially available, the contractor can confirm this conclusion by providing letters from at least two rental companies for each piece of off-road equipment that is at issue.

Level of Significance After Mitigation

Less than significant.

Impact AIR-4 Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Impact Analysis

Two situations create a potential for odor impact. The first occurs when a new odor source is located near an existing sensitive receptor. The second occurs when a new sensitive receptor locates near an existing source of odor. According to the *CBIA v. BAAQMD* ruling, impacts of existing sources of odors on the project are not subject to CEQA review. Therefore, the analysis to determine if the project would locate new sensitive receptors near an existing source of odor is not used to determine significance for this impact.

Odor impacts on residential areas and other sensitive receptors, such as hospitals, day-care centers, schools, etc. warrant the closest scrutiny, but consideration should also be given to other land uses where people may congregate, such as recreational facilities, worksites, and commercial areas.

Although the project is less than one mile from the nearest sensitive receptor, the project is not expected to be a significant source of odors. The screening levels for these land use types are shown in Table 17.

Table 17: Screening Levels for Potential Odor Sources

Odor Generator	Screening Distance
Wastewater Treatment Facilities	2 miles
Sanitary Landfill	1 mile
Transfer Station	1 mile
Composting Facility	1 mile
Petroleum Refinery	2 miles
Asphalt Batch Plant	1 mile
Chemical Manufacturing	1 mile
Fiberglass Manufacturing	1 mile
Painting/Coating Operations (e.g., auto body shop)	1 mile
Food Processing Facility	1 mile
Feed Lot/Dairy	1 mile
Rendering Plant	1 mile
Wastewater Treatment Facilities	2 miles
Source of Thresholds: San Joaquin Valley Air Pollution Control District (SJVAPCD). 2015. Guidance for Assessing and Mitigating Air Quality Impacts. February 19. Website: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed May 20, 2022.	

Project Construction and Project Operation

The occurrence and severity of odor impacts depend on numerous factors, including the nature, frequency, and intensity of the source; wind speed and direction; and the presence of sensitive receptors. Although offensive odors rarely cause any physical harm, they still can be very unpleasant, leading to considerable distress and often generating citizen complaints to local governments and regulatory agencies. Project operations would not be anticipated to produce odorous emissions, as the project would not be considered an odor generator based on the land uses shown in Table 17. Construction activities associated with the proposed project could result in short-term odorous emissions from diesel exhaust associated with construction equipment. However, these emissions would be intermittent and would dissipate rapidly from the source. In addition, this diesel-powered equipment would only be present onsite temporarily during construction activities. The temporary and intermittent nature of construction activities would decrease the likelihood of the odors concentrating in a single area or lingering for any notable period of time. As such, these odors would likely not be noticeable for extended periods of time beyond the project's site boundaries. Therefore, construction would not create objectionable odors affecting a substantial number of people from use of diesel-powered equipment. As there would not be conditions under which the project would have the potential to expose a substantial number of people to odors emitted from construction or operations of the project, and the impact would be less than significant.

Level of Significance Before Mitigation

Less than significant.

Mitigation Measures

No mitigation measures are necessary.

GREENHOUSE GASES

Environmental Setting

Greenhouse Gases

Greenhouse gases and climate change are cumulative global issues. The CARB and EPA regulate GHG emissions within the State of California and the U.S., respectively. Meanwhile, the CARB has the primary regulatory responsibility within California for GHG emissions. Local agencies can also adopt policies for GHG emission reduction.

Many chemical compounds in the Earth's atmosphere act as GHGs as they absorb and emit radiation within the thermal infrared range. When radiation from the sun reaches the Earth's surface, some of it is reflected into the atmosphere as infrared radiation (heat). Greenhouse gases absorb this infrared radiation and trap the heat in the atmosphere. Over time, the amount of energy from the sun to the Earth's surface should be approximately equal to the amount of energy radiated back into space, leaving the temperature of the earth's surface roughly constant. Many gases exhibit these "greenhouse" properties. Some of them occur in nature (water vapor, carbon dioxide [CO_2], methane [CH_4], and nitrous oxide [N_2O]), while others are exclusively human made (like gases used for aerosols).

The principal climate change gases resulting from human activity that enter and accumulate in the atmosphere are listed below.

Carbon Dioxide

Carbon dioxide enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and chemical reactions (e.g., the manufacture of cement). Carbon dioxide is also removed from the atmosphere (or "sequestered") when it is absorbed by plants as part of the biological carbon cycle.

Methane

Methane is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and agricultural practices and the decay of organic waste in municipal solid waste landfills.

Nitrous Oxide

Nitrous oxide is emitted during agricultural and industrial activities, as well as during combustion of fossil fuels and solid waste.

Fluorinated Gases

Hydrofluorocarbons, perfluorinated chemicals, and sulfur hexafluoride are synthetic, powerful climate-change gases that are emitted from a variety of industrial processes. Fluorinated gases are often used as substitutes for ozone-depleting substances (i.e., chlorofluorocarbons, hydrochlorofluorocarbons, and halons). These gases are typically emitted in smaller quantities, but because they are potent climate-change gases, they are sometimes referred to as high global warming potential gases.

Emissions Inventories and Trends

According to the CARB's recent GHG inventory for the State, released 2021, California produced 418.2 million metric tons of carbon dioxide equivalent ($MMTCO_2e$) in 2019. The major source of GHGs in California is transportation, contributing approximately 39.7 percent of the state's total GHG emissions in 2019.[21] This puts total emissions at 12.8 $MMTCO_2e$ below the 2020 target of 431 million metric tons. California statewide GHG emissions dropped below the 2020 GHG limit in 2016 and have remained below the 2020 GHG limit since then.

Potential Environmental Impacts

For California, climate change in the form of warming has the potential to incur and exacerbate environmental impacts, including but not limited to changes to precipitation and runoff patterns, increased agricultural demand for water, inundation of low-lying coastal areas by sea-level rise, and increased incidents and severity of wildfire events.[22] Cooling of the climate may have the opposite effects. Although certain environmental effects are widely accepted to be a potential hazard to certain locations, such as rising sea level for low-lying coastal areas, it is currently infeasible to predict all environmental effects of climate change on any one location.

Emissions of GHGs contributing to global climate change are attributable in large part to human activities associated with the industrial and manufacturing, utility, transportation, residential, and agricultural sectors. Therefore, the cumulative global emissions of GHGs contributing to global climate change can be attributed to every nation, region, and city, and virtually every individual on Earth. A project's GHG emissions are at a micro-scale relative to global emissions but could result in a cumulatively considerable incremental contribution to a significant cumulative macro-scale impact.

Regulatory Requirements

California has adopted statewide legislation addressing various aspects of climate change and GHG emissions mitigation. Much of this legislation establishes a broad framework for the state's long-term GHG reduction and climate change adaptation program. The governor has also issued several executive orders (EOs) related to the state's evolving climate change policy. Of particular importance are AB 32 and SB 32, which outline the state's GHG reduction goals of achieving 1990 emissions levels by 2020 and a 40 percent reduction below 1990 emissions levels by 2030.

In the absence of federal regulations, control of GHGs is generally regulated at the state level and is typically approached by setting emission reduction targets for existing sources of GHGs, setting policies to promote renewable energy and increase energy efficiency, and developing statewide action plans.

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[21] California Air Resources Board (CARB). 2021. California Greenhouse Gas Emissions for 2000 to 2019. Website: https://ww3.arb.ca.gov/cc/inventory/pubs/reports/2000_2019/ghg_inventory_trends_00-19.pdf. Accessed. March 1, 2022.

[22] Moser et al. 2009. Moser, Susie, Guido Franco, Sarah Pittiglio, Wendy Chou, Dan Cayan. 2009. The Future Is Now: An Update on Climate Change Science Impacts and Response Options for California. Website: http://www.susannemoser.com/documents/CEC-500-2008-071_Moseretal_FutureisNow.pdf. Accessed March 1, 2022.

CEQA Guidelines

The CEQA Guidelines define a significant effect on the environment as "a substantial, or potentially substantial, adverse change in the environment." To determine if a project would have a significant impact on GHGs, the type, level, and impact of emissions generated by the project must be evaluated.

The following GHG significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the project would:

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

Thresholds of Significance

San Joaquin Valley Air Pollution Control District

The SJVAPCD's Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA presents a tiered approach to analyzing project significance with respect to GHG emissions. Project GHG emissions are considered less than significant if they can meet any of the following conditions, evaluated in the order presented:

- Project is exempt from CEQA requirements;
- Project complies with an approved GHG emission reduction plan or GHG mitigation program;
- Project implements Best Performance Standards (BPS); or
- Project demonstrates that specific GHG emissions would be reduced or mitigated by at least 29 percent compared to Business-as-Usual (BAU), including GHG emission reductions achieved since the 2002-2004 baseline period.

Project-level Thresholds

Section 15064.4(b) of the CEQA Guidelines' amendments for GHG emissions states that a lead agency may take into account the following three considerations in assessing the significance of impacts from GHG emissions.

- Consideration #1: The extent to which the project may increase or reduce GHG emissions as compared to the existing environmental setting.
- Consideration #2: Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
- Consideration #3: The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. Such regulations or requirements must be adopted by

the relevant public agency through a public review process and must include specific requirements that reduce or mitigate the project's incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding compliance with the adopted regulations or requirements, an Environmental Impact Report (EIR) must be prepared for the project.

Newhall Ranch

In the California Supreme Court decision in the *Center for Biological Diversity et al. vs. California Department of Fish and Wildlife, the Newhall Land and Farming Company* (62 Cal.4th 204 [2015], and known as the Newhall Ranch decision), the Supreme Court was concerned that new development may need to reduce GHG emissions more than existing development to demonstrate it is meeting its fair share of reductions. New development does do more than its fair share through compliance with enhanced regulations, particularly with respect to motor vehicles, energy efficiency, and electricity generation. If no additional reductions are required from an individual project beyond that achieved by regulations, then the amount needed to reach the 2020 target is the amount of GHG emissions a project must reduce to comply with Statewide goals.

The State's regulatory program implementing the 2008 Scoping Plan is now fully mature. All regulations envisioned in the Scoping Plan have been adopted by the responsible agencies and the effectiveness of those regulations have been estimated by the agencies during the adoption process and then are tracked to verify their effectiveness after implementation. The Governor Brown, in the introduction to Executive Order B-30-15, states "California is on track to meet or exceed the current target of reducing greenhouse gas emissions to 1990 levels by 2020, as established in the California Global Warming Solutions Act of 2006 (AB 32)." The progress was evident in emission inventories prepared by CARB, which showed that the State inventory dropped below 1990 levels for the first time in 2016.[23] The 2017 Scoping Plan Update includes projections indicating that the State will meet or exceed the 2020 target with adopted regulations.[24] The State now projects that it will meet the 2020 target and achieve continued progress towards meeting the 2017 Scoping Plan target for 2030.

GHG Threshold Applied in the Analysis

The City of Farmersville has not adopted a GHG reduction plan. In addition, the City has not completed the GHG inventory, benchmarking, or goal-setting process required to identify a reduction target and take advantage of the streamlining provisions contained in the CEQA Guidelines amendments adopted for SB 97 and clarifications provided in the CEQA Guidelines amendments adopted on December 28, 2018. In the absence of an adopted numeric GHG emissions threshold consistent with the State's 2030 target, the project's GHG emissions impact determination is based on the extent to which the project complies with regulations or

[23] California Air Resources Board (CARB). 2018. Climate Pollutants Fall Below 1990 Levels for the First Time. Website: https://ww2.arb.ca.gov/news/climate-pollutants-fall-below-1990-levelsfirst-time. Accessed March 1, 2022.
[24] California Air Resources Board (CARB). 2017. The 2017 Climate Change Scoping Plan Update, the Proposed Strategy for Achieving California's 2030 Greenhouse Gas Target. January 17, 2017. Website: https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf. Accessed March 1, 2022.

requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. The project's GHG emissions are provided for informational purposes only.

Environmental Impact Analysis

This section discusses potential impacts related to GHGs associated with the proposed project and provides mitigation measures where necessary.

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

Impact Analysis

The proposed project may contribute to climate change impacts through its contribution of GHGs. The proposed project would generate a variety of GHGs during construction and operations, including several defined by AB 32, such as CO_2, CH_4, and N_2O from the exhaust of equipment during construction and on-road vehicle trips during construction and operations.

In the absence of an adopted numeric GHG emissions threshold consistent with the State's 2030 target, the project's GHG emissions impact determination is based on the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. The project's GHG emissions are provided for informational purposes only.

Quantification of Greenhouse Gas Emissions for Informational Purposes

Construction Emissions

Construction emissions would be generated from the exhaust of construction equipment, material delivery trips, haul truck trips, and worker commuter trips. Detailed construction assumptions are provided in Modeling Parameters and Assumptions section of this technical memorandum. Construction-generated GHGs were quantified and are disclosed in Attachment A. $MTCO_2e$ emissions during construction of the project are summarized below in Table 18.

Table 18: Construction Greenhouse Gas Emissions

Project Construction (2022-2023)	$MTCO_2e$
Residential Development	315
Commercial Development	496
Total Construction $MTCO_2e$	**811**
Emissions Amortized Over 30 Years[1]	**27**

Notes:
$MTCO_2e$ = metric tons of carbon dioxide equivalent
[1] Construction GHG emissions are amortized over the 30-year lifetime of the project.
Source: CalEEMod Output (Attachment A).

During the construction of the proposed project, approximately 881 $MTCO_2e$ would be emitted. Neither the City of Farmersville nor the SJVAPCD have an adopted threshold of significance for

construction related GHG emissions. Because impacts from construction activities occur over a relatively short-term period, they contribute a relatively small portion of the overall lifetime project GHG emissions. In addition, GHG emission reduction measures for construction equipment are relatively limited. Therefore, a standard practice is to amortize construction emissions over the anticipated lifetime of a project so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies. However, emissions were quantified for informational purposes only. The total emissions generated during construction were amortized based on the life of the development (30 years) and added to the operational emissions to determine the total emissions from the project, as shown below.

Operational Emissions

Operational or long-term emissions occur over the life of the project. The operational emissions for the proposed project are shown in Table 19. Sources for operational emissions include the following:

- Motor Vehicles: These emissions refer to GHG emissions contained in the exhaust from the cars and trucks that would travel to and from the project site.
- Natural Gas: These emissions refer to the GHG emissions that occur when natural gas is burned on the project site. Natural gas uses include heating water, space heating, dryers, stoves, or other uses.
- Indirect Electricity: These emissions refer to those generated by offsite power plants to supply electricity required for the project.
- Water Transport: These emissions refer to those generated by the electricity required to transport and treat the water to be used on the project site.
- Waste: These emissions refer to the GHG emissions produced by decomposing waste generated by the project.

Detailed modeling results and more information regarding assumptions used to estimate emissions are provided in Attachment A. Operational emissions are shown in Table 19.

Table 19: Operational Greenhouse Gas Emissions at Project Buildout

Source Category	Residential Development ($MTCO_2e$/year)	Commercial Development ($MTCO_2e$/year)	Project Total ($MTCO_2e$/year)
Area	22	0	22
Energy Consumption	103	248	351
Mobile (On-road Vehicles)	353	1,946	2,299
Solid Waste Generation	68	110	178
Water Usage	9	10	19
Amortized Construction Emissions[1]	10.5	16.5	27
Total	**565.5**	**2,330.5**	**2,896**
Notes:			

Source Category	Residential Development ($MTCO_2e$/year)	Commercial Development ($MTCO_2e$/year)	Project Total ($MTCO_2e$/year)
$MTCO_2e$ = metric tons of carbon dioxide equivalent [1] Construction GHG emissions are amortized over the 30-year lifetime of the project. Source: CalEEMod Output (Attachment A).			

As previously noted, the project's estimated emissions were estimated for disclosure purposes. However, significance for GHG emissions is analyzed by assessing the project's compliance with Consideration No. 3 regarding consistency with adopted plans to reduce GHG emissions. As discussed in detail below, the project would not conflict with any applicable plan, policy or regulation of an agency adopted to reduce the emissions of GHGs. As such, the project's generation of GHG emissions would not result in a significant impact on the environment.

Impact Analysis (Project's Compliance with Consideration No. 3 Regarding Consistency with Adopted Plans to Reduce GHG Emissions)

The following analysis assesses the project's compliance with Consideration No. 3 regarding consistency with adopted plans to reduce GHG emissions. As discussed above, the City of Farmersville has not adopted a GHG reduction plan. In addition, the City has not completed the GHG inventory, benchmarking, or goal-setting process required to identify a reduction target and take advantage of the streamlining provisions contained in the CEQA Guidelines amendments adopted for SB 97 and clarifications provided in the CEQA Guidelines amendments adopted on December 28, 2018. The County of Tulare has adopted Climate Action Plan; however, the County of Tulare's Climate Action Plan is only applicable to unincorporated areas of Tulare County. The SJVAPCD has adopted a Climate Action Plan, but it does not contain measures that are applicable to the project. Therefore, the SJVAPCD Climate Action Plan cannot be applied to the project. Since no other local or regional Climate Action Plan is in place, the project is assessed for its consistency with CARB's adopted 2008 and 2017 Scoping Plans. This would be achieved with an assessment of the proposed project's compliance with Scoping Plan measures contained in the 2017 Scoping Plan Update.

Greenhouse Gas Emissions Estimation Summary and Greenhouse Gas Impact Analysis

Greenhouse Gas Impact Analysis

The following analysis assesses the proposed project's compliance with Consideration No. 3 regarding consistency with adopted plans to reduce GHG emissions. The proposed project is assessed for its consistency with CARB's adopted Scoping Plans. This would be achieved with an assessment of the proposed project's compliance with Scoping Plan measures contained in the 2017 Scoping Plan Update.

Consistency with SB 32

The 2017 Climate Change Scoping Plan Update (2017 Scoping Plan) includes the strategy that the State intends to pursue to achieve the 2030 targets of Executive Order S-3-05 and SB 32. The 2017 Scoping Plan includes the following summary of its overall strategy for reaching the 2030 target:

- SB 350
    - Achieve 50 percent Renewables Portfolio Standard (RPS) by 2030.
    - Doubling of energy efficiency savings by 2030.
- Low Carbon Fuel Standard (LCFS)
    - Increased stringency (reducing carbon intensity 18 percent by 2030, up from 10 percent in 2020).
- Mobile Source Strategy (Cleaner Technology and Fuels Scenario)
    - Maintaining existing GHG standards for light- and heavy-duty vehicles.
    - Put 4.2 million zero-emission vehicles (ZEVs) on the roads.
    - Increase ZEV buses, delivery and other trucks.
- Sustainable Freight Action Plan
    - Improve freight system efficiency.
    - Maximize use of near-zero emission vehicles and equipment powered by renewable energy.
    - Deploy over 100,000 zero-emission trucks and equipment by 2030.
- Short-Lived Climate Pollutant (SLCP) Reduction Strategy
    - Reduce emissions of methane and hydrofluorocarbons 40 percent below 2013 levels by 2030.
    - Reduce emissions of black carbon 50 percent below 2013 levels by 2030.
- SB 375 Sustainable Communities Strategies
    - Increased stringency of 2035 targets.
- Post-2020 Cap-and-Trade Program
    - Declining caps, continued linkage with Québec, and linkage to Ontario, Canada.
    - CARB will look for opportunities to strengthen the program to support more air quality co-benefits, including specific program design elements. In Fall 2016, CARB staff described potential future amendments including reducing the offset usage limit, redesigning the allocation strategy to reduce free allocation to support increased technology and energy investment at covered entities and reducing allocation if the covered entity increases criteria or toxics emissions over some baseline.
- By 2018, develop Integrated Natural and Working Lands Action Plan to secure California's land base as a net carbon sink.

Table 20 provides an analysis of the project's consistency with the 2017 Scoping Plan Update measures.

Table 20: Consistency with SB 32 2017 Scoping Plan Update

Scoping Plan Measure	Project Consistency
SB 350 50% Renewable Mandate. Utilities subject to the legislation will be required to increase their renewable energy mix from 33% in 2020 to 50% in 2030.	**Consistent**: The project will purchase electricity from a utility subject to the SB 350 Renewable Mandate SB 100 Renewable Mandate. SB 100 revised the Renewable Portfolio Standard goals to achieve the 50 percent renewable resources target by December 31, 2026, and to achieve a 60 percent target by December 31, 2030. The specific provider for the City of Farmersville and the proposed project is Southern California Edison (SCE).
SB 350 Double Building Energy Efficiency by 2030. This is equivalent to a 20 percent reduction from 2014 building energy usage compared to current projected 2030 levels.	**Not Applicable**. This measure applies to existing buildings. Renovations to existing buildings are not proposed as part of the proposed project, which includes the development of new residential uses. New structures are required to comply with Title 24 Energy Efficiency Standards that are expected to increase in stringency until residential housing achieves zero net energy.
Low Carbon Fuel Standard. This measure requires fuel providers to meet an 18 percent reduction in carbon content by 2030.	**Consistent**. Vehicles accessing the project site will use fuel containing lower carbon content as the fuel standard is implemented.
Mobile Source Strategy (Cleaner Technology and Fuels Scenario). Vehicle manufacturers will be required to meet existing regulations mandated by the LEV III and Heavy-Duty Vehicle programs. The strategy includes a goal of having 4.2 million ZEVs on the road by 2030 and increasing numbers of ZEV trucks and buses.	**Consistent**. The project is mixed-use consisting of commercial and residential development and would not engage in vehicle manufacturing; however, vehicles would access the project site during project operations. Future project residents, occupants, and visitors can be expected to purchase increasing numbers of more fuel efficient and zero emission cars and trucks each year. The 2016 CALGreen Code requires electrical service in new single-family housing to be EV charger-ready. Home deliveries will be made by increasing numbers of ZEV delivery trucks.
Sustainable Freight Action Plan. The plan's target is to improve freight system efficiency 25 percent by increasing the value of goods and services produced from the freight sector, relative to the amount of carbon that it produces by 2030. This would be achieved by deploying over 100,000 freight vehicles and equipment capable of zero emission operation and maximize near-zero emission freight vehicles and equipment powered by renewable energy by 2030.	**Not Applicable**. The measure applies to owners and operators of trucks and freight operations. However, deliveries that would be made to the future businesses and residences are expected to be made by increasing number of ZEV delivery trucks.
Short-Lived Climate Pollutant (SLCP) Reduction Strategy. The strategy requires the reduction of SLCPs by 40 percent from 2013 levels by 2030 and the reduction of black carbon by 50 percent from 2013 levels by 2030.	**Consistent.** Sources of black carbon are already regulated by the CARB and air district criteria pollutant and toxic regulations that control fine particulate emissions from diesel engines and other combustion source. The project residences would not include hearths or would include only electric or natural gas hearths; natural gas hearths produce very little black carbon compared to woodburning fireplaces and heaters.

Scoping Plan Measure	Project Consistency
SB 375 Sustainable Communities Strategies. Requires Regional Transportation Plans to include a sustainable communities strategy for reduction of per capita vehicle miles traveled.	**Not Applicable**. The project does not consist of a proposed regional transportation plan; therefore, this measure is not applicable to the proposed project.
Post-2020 Cap-and-Trade Program. The Post 2020 Cap-and-Trade Program continues the existing program for another 10 years. The Cap-and-Trade Program applies to large industrial sources such as power plants, refineries, and cement manufacturers.	**Consistent.** The post-2020 Cap-and-Trade Program indirectly affects people who use the products and services produced by the regulated industrial sources when increased cost of products or services (such as electricity and fuel) are transferred to the consumers. The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects' electricity usage are covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and from combustion of other fossil fuels not directly covered at large sources in the program's first compliance period.
Natural and Working Lands Action Plan. The CARB is working in coordination with several other agencies at the federal, state, and local levels, stakeholders, and with the public, to develop measures as outlined in the Scoping Plan Update and the governor's Executive Order B-30-15 to reduce GHG emissions and to cultivate net carbon sequestration potential for California's natural and working land.	**Not Applicable**. The project consists of commercial and residential development and will not be considered natural or working lands.
Source: California Air Resources Board (CARB). 2017. The 2017 Climate Change Scoping Plan Update. January 20. Website: https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf. Accessed May 1, 2022.	

Regarding goals for 2050 under Executive Order S-3-05, at this time it is not possible to quantify the emissions savings from future regulatory measures with any level of certainty, as they have not yet been developed; nevertheless, it can be anticipated that operation of the project would comply with whatever measures are enacted that state lawmakers decide would lead to an 80 percent reduction below 1990 levels by 2050. In its 2008 Scoping Plan, CARB acknowledged that the "measures needed to meet the 2050 are too far in the future to define in detail." In the First Scoping Plan Update; however, CARB generally described the type of activities required to achieve the 2050 target: "energy demand reduction through efficiency and activity changes; large scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and rapid market penetration of efficiency and clean energy technologies that requires significant efforts to deploy and scale markets for the cleanest technologies immediately." The 2017 Scoping Plan provides an intermediate target that is intended to achieve reasonable progress toward the 2050 target.

Accordingly, taking into account the proposed project's emissions, project design features, and the progress being made by the State towards reducing emissions in key sectors such as transportation, industry, and electricity, the project would be consistent with State GHG Plans and would further the State's goals of reducing GHG emissions to 1990 levels by 2020, 40 percent below 1990 levels by 2030, and 80 percent below 1990 levels by 2050, and does not obstruct their attainment. Impacts would be less than significant.

Conclusion

Taking into account the proposed project's design features and the progress being made by the State towards reducing emissions in key sectors such as transportation, industry, and electricity, the proposed project would be consistent with State and local GHG Plans would not obstruct their attainment. The proposed project's GHG impacts would be less than significant.

Level of Significance Before Mitigation

Less than significant.

Mitigation Measures

No mitigation measures are necessary.

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

Impact Analysis

The analysis contained above under Impact GHG-1 evaluates whether the project would not conflict with any applicable plan, policy, or regulation of an agency adopted to reduce the emissions of GHGs. As discussed under Impact GHG-1 above, the project would not conflict with any applicable plan, policy, or regulation of agency to reduce. As such, project impacts in this regard would be less than significant.

Level of Significance Before Mitigation

Less than significant.

Mitigation Measures

No mitigation measures are necessary.

Energy

Environmental Setting

The proposed project would be served with electricity provided by SCE. SCE's 2019 Green Rate 50 percent option includes 67.5 percent eligible renewable resources, including wind, geothermal, solar, eligible hydroelectric, and biomass and biowaste; 4 percent large hydroelectric; 8.1 percent natural gas; 4.1 percent nuclear; 0.1 percent other; and 16.3 percent unspecified sources of power[25] SCE's 2019 Green Rate 100 percent option includes 100 percent eligible renewable resources, composed entirely of solar. Approximately 43 percent of the electricity that SCE delivered in 2020 was a combination of renewable and GHG-emissions-free resources.[26] SCE was ahead of schedule in meeting the California's RPS 2020 mandate of serving their load with at least 33 percent RPS-eligible resources. SCE would be required to meet California's RPS standards of 60 percent by 2030 and carbon-free sourced-electricity by 2045.[27]

Methodology

The energy requirements for the proposed project were determined using the construction and operational estimates generated from the Air Quality Analysis (refer to Attachment A for related CalEEMod output files). The calculation worksheets for diesel fuel consumption rates for off-road construction equipment, gasoline and diesel fuel consumption rates for on-road vehicles during construction and operations are provided in Attachment C. Short-term construction energy consumption and long-term operational consumption are discussed separately below.

Short-Term Construction

Off-Road Equipment

The proposed project is anticipated to begin construction as early as August 1, 2022 and last approximately 13 months (assuming overlap of the residential and commercial development). For modeling purposes, construction was assumed to last through August 2023. Table 21 provides estimates of the project's construction fuel consumption from off-road construction equipment for the entire project, categorized by construction activity.

Table 21: Construction Off-Road Fuel Consumption

Project Component	Construction Activity	Fuel Consumption (gallons)
Residential Development	Site Preparation	158.6
	Grading	236.0
	Building Construction	11,255.8
	Paving	325.6
	Architectural Coating	61.9

[25] "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.
[26] Renewable sources included solar, wind, geothermal, biomass, and small hydroelectric sources. GHG-emissions-free sources of energy included nuclear and large hydroelectric. "GHG-emissions-free resources" refers to energy sources other than renewable energy resources that also do not result in GHG emissions, such as non-emitting nuclear and hydroelectric.
[27] Southern California Edison (SCE). 2020. 2019 Power Content Label. Website: https://www.sce.com/sites/default/files/inline-files/SCE_2019PowerContentLabel.pdf. Accessed February 1, 2022.

Project Component	Construction Activity	Fuel Consumption (gallons)
	Residential Development Subtotal	*12,037.9*
Commercial Development	Site Preparation	360.8
	Grading	445.3
	Building Construction	12,776.9
	Paving	617.8
	Architectural Coating	111.4
	Commercial Development Subtotal	14,312.2
Project Grand Total (Residential + Commercial Development)		**26,350.1**
Note: Totals may not appear to sum correctly due to rounding. Source: Energy Consumption Calculations (Attachment C).		

As shown in Table 21, off-road construction equipment usage associated with the proposed project would be estimated to consume approximately 26,350 gallons of diesel fuel over the entire construction period. There are no unusual project characteristics that would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in other parts of the state. Therefore, it is expected that construction fuel consumption associated with the proposed project would not be any more inefficient, wasteful, or unnecessary than at other construction sites in the region.

On-Road Vehicles

On-road vehicles for construction workers, vendors, and haulers would require fuel for travel to and from the site during construction. Table 22 provides an estimate of the total on-road vehicle fuel usage during construction.

Table 22: Construction On-Road Fuel Consumption

Project Component	Construction Activity	Total Annual Fuel Consumption (gallons)
Residential Development	Site Preparation	32.39
	Grading	60.10
	Building Construction	6,994.29
	Paving	154.41
	Architectural Coating	60.32
	Residential Development Subtotal	7,301.51
Commercial Development	Site Preparation	96.11
	Grading	1,972.41
	Building Construction	16,763.30
	Paving	315.59
	Architectural Coating	179.89
	Commercial Development Subtotal	19,327.30
Project Grand Total (Residential + Commercial Development)		**26,629**
Notes: Totals may not appear to sum exactly due to rounding. Several assumptions related to the construction trips were selected to provide a conservative estimate of emissions that would also result in a conservative estimate of annual fuel consumption (see Attachments A and C). Source: Energy Consumption Calculations (Attachment C).		

As shown in Table 22, construction trips are estimated to consume approximately 26,629 gallons of gasoline and diesel fuel combined. There are no unusual project characteristics that would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in other parts of the state. Therefore, it is expected that construction fuel consumption associated with the proposed project would not be any more inefficient, wasteful, or unnecessary than at other construction sites in the region.

Long-Term Operations

Transportation Energy Demand

Table 23 provides an estimate of the daily and annual fuel consumed by vehicles traveling to and from the proposed project. These estimates were derived using the same assumptions used in the operational air quality analysis for the proposed project.

Table 23: Long-Term Operational Vehicle Fuel Consumption

Vehicle Type	Percent of Vehicle Trips	Daily VMT	Annual VMT	Average Fuel Economy (miles/ gallon)[1]	Total Daily Fuel Consumption (gallons)	Total Annual Fuel Consumption (gallons)
Passenger Cars (LDA)	50.6	8,275	3,020,269	32.49	254.7	92,960
Light Trucks and Medium Duty Vehicles (LDT1, LDT2, MDV)	40.5	6,613	2,413,736	23.39	282.8	103,207
Light-Heavy to Heavy-Heavy Diesel Trucks (LHD1, LHD2, MHDT, HHDT)	6.2	1,018	371,469	9.57	106.3	38,811
Motorcycles (MCY)	2.0	329	120,054	37.79	8.7	3,177
Other (OBUS, UBUS, SBUS, MH)	0.6	105	38,227	7.03	14.9	5,437
Total	100.0	**16,339**	**5,963,753**	—	**667.4**	**243,592**

Notes:
Percent of Vehicle Trips and VMT based on values in the project-specific CalEEMod output files.
"Other" consists of buses and motor homes.
VMT = vehicle miles traveled
Source: Energy Consumption Calculations (Attachment C).

As shown above, daily vehicular fuel consumption is estimated to be 667.4 gallons of gasoline and diesel fuel combined. Annual consumption is estimated at 243,592 gallons. The residential development is responsible for 40,541 gallons of the total annual fuel consumption, while the commercial development would account for the remaining 203,051 gallons (see Attachment C).

In terms of land use planning decisions, the proposed project would constitute development within an established community and would not be opening a new geographical area for development such that it would draw mostly new trips or substantially lengthen existing trips. In addition, the vehicle fleet mix would be typical of other residential and commercial development in the region. As a mixed-use project located in a developing area of a built-up city, the proposed project would create a considerable amount of internal capture among its components to reduce VMT compared to the same level of development built with land uses geographically separated from each other. For these reasons, it would be expected that vehicular fuel consumption associated with the proposed project would not be any more inefficient, wasteful, or unnecessary than for any other similar land use activities in the region.

Building Energy Demand

As shown in Table 24 and Table 25, the proposed project is estimated to demand 1,377,936 kilowatt-hours (kWh) of electricity and 1,963,761 kilo-British Thermal Units (kBTU) of natural gas, respectively, on an annual basis. The proposed project would be built according to code and would generate on-site renewable energy from inclusion of rooftop solar panels on the single-family residential development.

Table 24: Long-Term Electricity Usage

Land Use	Total Electricity Demand (kWh/year)
Residential Development	244,266
Commercial Development	1,133,670
Total Project	**1,377,936**

Notes:
DU = Dwelling Units
kWh = kilowatt hour
The estimates above represent total estimated electricity consumption on an annual basis from operations of the proposed project.
Source: Energy Consumption Calculations (Attachment C).

Table 25: Long-Term Natural Gas Usage

Land Use	Total Natural Gas Demand (kBTU/year)
Residential Development	1,106,377
Commercial Development	857,384
Total Project	**1,963,761**

Notes:
DU = Dwelling Units
kBTU = 1,000 British Thermal Units
Source: Energy Consumption Calculations (Attachment C).

Environmental Impact Analysis

This section discusses potential energy impacts associated with the proposed project and provides mitigation measures where necessary.

Impact EN-1 Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Impact Analysis

This impact addresses the energy consumption from both the short-term construction and long-term operations are discussed separately below.

Construction Energy Demand

As summarized in Table 21 and Table 22, the proposed project would require 26,350 gallons of diesel fuel for construction off-road equipment and 26,629 gallons of gasoline and diesel for on-road vehicles during construction. There are no unusual project characteristics that would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in other parts of the state. Therefore, it is expected that construction fuel consumption associated with the proposed project would not be any more inefficient, wasteful, or unnecessary than at other construction sites in the region, and as such, impacts would be less than significant.

Long-Term Energy Demand

Building Energy Demand

Buildings and infrastructure constructed pursuant to the proposed project would comply with the versions of CCR Titles 20 and 24, including California Green Building Standards (CALGreen), that are applicable at the time that building permits are issued. The proposed project is estimated to demand 1,377,936 kWh of electricity per year and 1,963,761 kBTU of natural gas per year (see Table 24 and Table 25). This would represent an increase in demand for electricity and natural gas. It should be noted that these estimates were prepared assuming

compliance with existing rules and regulations and may not reflect project design features that could further reduce the proposed project energy demand.

It would be expected that building energy consumption associated with the proposed project would not be any more inefficient, wasteful, or unnecessary than for any other similar buildings in the region. Current state regulatory requirements for new building construction contained in the CALGreen and Title 24 standards would increase energy efficiency and reduce energy demand in comparison to existing commercial and residential structures, and therefore would reduce actual environmental effects associated with energy use from the proposed project. Additionally, the CALGreen and Title 24 standards have increased efficiency standards through each update. The proposed project would be built in accordance with regulations in effect at the time building permits are issues and would generate on-site renewable energy from inclusion of solar panels.

Therefore, while the proposed project would result in increased electricity and natural gas demand, the electricity and natural gas would be consumed more efficiently and would be typical of residential development. If buildout of the project is delayed, compliance with future building code standards would result in increased energy efficiency.

Based on the above information, the proposed project would not result in the inefficient or wasteful consumption of electricity or natural gas, and impacts would be less than significant.

Transportation Energy Demands

The daily vehicular fuel consumption is estimated to be 667.4 gallons of gasoline and diesel fuel combined. Annual consumption is estimated at 243,592 gallons. The residential development is responsible for 40,541 gallons of the total annual fuel consumption, while the commercial development would account for the remaining 203,051 gallons (see Attachment C). The proposed project would constitute development within an established community and would not be opening a new geographical area for development such that it would draw mostly new trips or substantially lengthen existing trips. The proposed project would be well positioned to accommodate an existing population and anticipated growth in the City of Farmersville. As a mixed-use project located in a developing area of a built-up city, the proposed project would create a considerable amount of internal capture among its components to reduce VMT compared to the same level of development built with land uses geographically separated from each other. In addition, vehicles accessing the project site would be typical of other mixed-use, commercial, and residential uses in the region. For these reasons, it would be expected that vehicular fuel consumption associated with the proposed project would not be any more inefficient, wasteful, or unnecessary than for any other similar land use activities in the region, and impacts would be less than significant.

Level of Significance Before Mitigation

Less than significant.

Mitigation Measures

No mitigation measures are necessary.

Impact EN-2 Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Impact Analysis

The City's General Plan[28] includes strategies to promote energy efficiency in development in Farmersville. Strategies for Farmersville, as presented in the City's General Plan, are outlined below.

- Consider energy conservation in the planning and design of new and existing development in Farmersville.
    - Development in the planning area shall be designed in a fashion that maximizes energy efficiency.
        - Street standards shall be revised to increase shading along all future streets. Residential street widths for future streets shall be
        - narrowed, thereby reducing the amount of pavement area - reducing heat buildup. Shade trees will also help to reduce heat buildup. For more information, see the Circulation Element.
        - The City shall work with subdividers to design subdivisions so that a majority of dwelling units are properly oriented with respect to the sun, to take advantage of passive solar heating and cooling opportunities.
        - The City shall work with developers to maximize the planting of deciduous shade trees around buildings and in paved areas.

These policies and objectives require City action and are not applicable at the individual project level. However, the proposed project would not impede or conflict with any of the energy strategies outlined in the General Plan. In addition, the project would comply with all local rules and regulations. The proposed project would comply with the versions of CCR Titles 20 and 24, including CALGreen, that are applicable at the time that building permits are issued and with all applicable City measures. Part 11, Chapter 4 and 5, of the State's Title 24 energy efficiency standards establishes mandatory measures for residential and nonresidential buildings. Examples of these mandatory measure include solar, electric vehicle (EV) charging infrastructure, bicycle parking, energy efficiency, water efficiency and conservation, and material conservation and resource efficiency. The proposed project would be required to comply with mandatory measures; the residential portion would comply with measures for new residential development and the commercial portion would comply with mandatory measures for non-residential development. The proposed project would constitute development within an established community and would not be opening a new geographical area for development such that it would draw mostly new trips, or substantially lengthen existing trips. The proposed project would be well positioned to accommodate existing population. The project would locate housing near convenient access to jobs and would locate commercial uses that would serve nearby residents in existing and planned residential areas. In addition, the project would provide connectivity within the project site and to adjacent uses. Compliance with these

[28] City of Farmersville. 2002. Farmersville General Plan Update – Part 1. Website: https://www.cityoffarmersville-ca.gov/DocumentCenter/View/387/Part-I-The-General-Plan. Accessed May 27, 2022.

aforementioned mandatory measures and project design features would ensure that the proposed project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing energy use or increasing the use of renewable energy. Therefore, operational energy efficiency and renewable energy standards consistency impacts would be less than significant.

For the above reasons, the proposed project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency, and impacts would be less than significant.

Level of Significance Before Mitigation

Less than significant.

Mitigation Measures

No mitigation measures are necessary.

Attachments:

Attachment A – CalEEMod Output and Additional Supporting Information

Attachment B – Health Risk Assessments

Attachment C – Energy Consumption Calculations

ATTACHMENT A
CalEEMod Output

CalEEMod Output and Additional Supporting Information

Table of Contents

CalEEMod Output Files

- **Unmitigated Project Construction (Residential Development)—Annual**
- **Unmitigated Project Construction (Commercial Development)—Annual**
- **Mitigated Project Construction (Residential Development)—Annual**
- **Mitigated Project Construction (Commercial Development)—Annual**
- **Residential Development Project Operations in the Earliest Operational Year (2023)**
- **Commercial Development Project Operations in the Earliest Operational Year (2023)**
- **On-site Construction Emissions**
    - **Residential Development—Annual**
    - **Residential Development—Summer (Maximum Daily)**
    - **Residential Development—Winter (Maximum Daily)**
    - **Commercial Development—Annual**
    - **Commercial Development—Summer (Maximum Daily)**
    - **Commercial Development—Winter (Maximum Daily)**

Additional Supporting Information

- **Project Construction Assumptions**
- **Project Site Plan**
- **Residential Fleet Mix**

CalEEMod Output and Additional Supporting Information

CalEEMod Output Files

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction - Multi-family Residential Component

Tulare County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	20.00	1000sqft	0.46	20,000.00	0
Apartments Low Rise	48.00	Dwelling Unit	2.24	85,500.00	137

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 48 dwelling units (building square footage increased compared to default values based on project-specific information provided in the site plan)
Additional building to account for amenities and leasing office
2.70 acres

Construction Phase - No demolition

Trips and VMT - Additional haul trips were added to each phase for mobilization/demobilization of on-site equipment (two trips per piece of equipment).
Vendor trips added to the paving phase to account for delivery of materials.

Grading - Site relatively flat - cut/fill expected to balance on site

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Area Coating - SJVAPCD Rule 4601 Architectural Coatings

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII

Area Mitigation - Construction run only

Consumer Products - Construction only run

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24E	1.31	0.00
tblEnergyUse	T24E	139.08	0.00
tblEnergyUse	T24E	0.36	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	26.40	0.00
tblLandscapeEquipment	NumberSummerDays	180	1

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	48,000.00	85,500.00
tblLandUse	LotAcreage	3.00	2.24
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	22.08	0.00
tblSolidWaste	SolidWasteGenerationRate	114.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	0.00
tblWater	IndoorWaterUseRate	1,182,862.88	0.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	724,980.48	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1123	0.8434	0.8706	1.6900e-003	0.0537	0.0390	0.0926	0.0186	0.0372	0.0558	0.0000	143.8905	143.8905	0.0238	1.9200e-003	145.0554
2023	0.4340	0.8918	1.0253	1.9800e-003	0.0363	0.0393	0.0757	9.7300e-003	0.0376	0.0474	0.0000	168.1469	168.1469	0.0267	2.1900e-003	169.4659
Maximum	**0.4340**	**0.8918**	**1.0253**	**1.9800e-003**	**0.0537**	**0.0393**	**0.0926**	**0.0186**	**0.0376**	**0.0558**	**0.0000**	**168.1469**	**168.1469**	**0.0267**	**2.1900e-003**	**169.4659**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1123	0.8434	0.8706	1.6900e-003	0.0407	0.0390	0.0796	0.0128	0.0372	0.0500	0.0000	143.8904	143.8904	0.0238	1.9200e-003	145.0553
2023	0.4340	0.8918	1.0253	1.9800e-003	0.0363	0.0393	0.0757	9.7300e-003	0.0376	0.0474	0.0000	168.1468	168.1468	0.0267	2.1900e-003	169.4658
Maximum	**0.4340**	**0.8918**	**1.0253**	**1.9800e-003**	**0.0407**	**0.0393**	**0.0796**	**0.0128**	**0.0376**	**0.0500**	**0.0000**	**168.1468**	**168.1468**	**0.0267**	**2.1900e-003**	**169.4658**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**14.45**	**0.00**	**7.72**	**20.49**	**0.00**	**5.61**	**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	**8-1-2022**	**10-31-2022**	0.5730	0.5730
2	**11-1-2022**	**1-31-2023**	0.5554	0.5554
3	**2-1-2023**	**4-30-2023**	0.5105	0.5105
4	**5-1-2023**	**7-31-2023**	0.6350	0.6350
		Highest	0.6350	0.6350

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	0.0334	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2400e-003	3.2400e-003	0.0000	0.0000	3.3100e-003
Energy	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	68.2443	68.2443	1.9100e-003	1.1800e-003	68.6426
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0393**	**0.0520**	**0.0309**	**3.3000e-004**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**68.2475**	**68.2475**	**1.9100e-003**	**1.1800e-003**	**68.6459**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0334	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2100e-003	3.2100e-003	0.0000	0.0000	3.2800e-003
Energy	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	68.2443	68.2443	1.9100e-003	1.1800e-003	68.6426
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0393**	**0.0520**	**0.0308**	**3.3000e-004**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**68.2475**	**68.2475**	**1.9100e-003**	**1.1800e-003**	**68.6459**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/3/2022	5	3	
2	Grading	Grading	8/4/2022	8/11/2022	5	6	
3	Building Construction	Building Construction	8/12/2022	6/15/2023	5	220	

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	6/16/2023	6/29/2023	5	10	
5	Architectural Coating	Architectural Coating	6/30/2023	7/13/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

Residential Indoor: 173,138; Residential Outdoor: 57,713; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3	8.00	0.00	6.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	8.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	43.00	8.00	16.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	12.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	2.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**2.0700e-003**	**0.0235**	**0.0151**	**4.0000e-005**	**2.3900e-003**	**8.9000e-004**	**3.2800e-003**	**2.6000e-004**	**8.2000e-004**	**1.0800e-003**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.7000e-004	9.0000e-005	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1780	0.1780	0.0000	3.0000e-005	0.1864
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1208	0.1208	0.0000	0.0000	0.1220
Total	**7.0000e-005**	**5.2000e-004**	**6.1000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2988**	**0.2988**	**0.0000**	**3.0000e-005**	**0.3084**

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					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**2.0700e-003**	**0.0235**	**0.0151**	**4.0000e-005**	**1.0700e-003**	**8.9000e-004**	**1.9600e-003**	**1.2000e-004**	**8.2000e-004**	**9.4000e-004**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.7000e-004	9.0000e-005	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1780	0.1780	0.0000	3.0000e-005	0.1864
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1208	0.1208	0.0000	0.0000	0.1220
Total	**7.0000e-005**	**5.2000e-004**	**6.1000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2988**	**0.2988**	**0.0000**	**3.0000e-005**	**0.3084**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**4.6200e-003**	**0.0510**	**0.0277**	**6.0000e-005**	**0.0213**	**2.2300e-003**	**0.0235**	**0.0103**	**2.0500e-003**	**0.0123**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	6.2000e-004	1.2000e-004	0.0000	7.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2373	0.2373	0.0000	4.0000e-005	0.2485
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	1.5000e-004	1.2000e-004	1.3100e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3020	0.3020	1.0000e-005	1.0000e-005	0.3051
Total	**1.7000e-004**	**7.4000e-004**	**1.4300e-003**	**0.0000**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**1.2000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**0.5394**	**0.5394**	**1.0000e-005**	**5.0000e-005**	**0.5536**

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					9.5600e-003	0.0000	9.5600e-003	4.6200e-003	0.0000	4.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**4.6200e-003**	**0.0510**	**0.0277**	**6.0000e-005**	**9.5600e-003**	**2.2300e-003**	**0.0118**	**4.6200e-003**	**2.0500e-003**	**6.6700e-003**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	6.2000e-004	1.2000e-004	0.0000	7.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2373	0.2373	0.0000	4.0000e-005	0.2485
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	1.5000e-004	1.2000e-004	1.3100e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3020	0.3020	1.0000e-005	1.0000e-005	0.3051
Total	**1.7000e-004**	**7.4000e-004**	**1.4300e-003**	**0.0000**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**1.2000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**0.5394**	**0.5394**	**1.0000e-005**	**5.0000e-005**	**0.5536**

3.4 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	0.0937	0.7375	0.7248	1.2600e-003		0.0355	0.0355		0.0340	0.0340	0.0000	104.8785	104.8785	0.0202	0.0000	105.3843
Total	**0.0937**	**0.7375**	**0.7248**	**1.2600e-003**		**0.0355**	**0.0355**		**0.0340**	**0.0340**	**0.0000**	**104.8785**	**104.8785**	**0.0202**	**0.0000**	**105.3843**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.0000e-005	5.7000e-004	1.1000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2179	0.2179	0.0000	3.0000e-005	0.2282
Vendor	8.4000e-004	0.0209	6.1900e-003	8.0000e-005	2.4200e-003	2.3000e-004	2.6500e-003	7.0000e-004	2.2000e-004	9.2000e-004	0.0000	7.4318	7.4318	5.0000e-005	1.1200e-003	7.7672
Worker	0.0109	8.7600e-003	0.0947	2.4000e-004	0.0269	1.4000e-004	0.0270	7.1500e-003	1.3000e-004	7.2800e-003	0.0000	21.8613	21.8613	6.5000e-004	6.8000e-004	22.0809
Total	**0.0117**	**0.0302**	**0.1010**	**3.2000e-004**	**0.0294**	**3.8000e-004**	**0.0298**	**7.8700e-003**	**3.6000e-004**	**8.2200e-003**	**0.0000**	**29.5110**	**29.5110**	**7.0000e-004**	**1.8300e-003**	**30.0763**

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	0.0937	0.7375	0.7248	1.2600e-003		0.0355	0.0355		0.0340	0.0340	0.0000	104.8783	104.8783	0.0202	0.0000	105.3842
Total	**0.0937**	**0.7375**	**0.7248**	**1.2600e-003**		**0.0355**	**0.0355**		**0.0340**	**0.0340**	**0.0000**	**104.8783**	**104.8783**	**0.0202**	**0.0000**	**105.3842**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.0000e-005	5.7000e-004	1.1000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2179	0.2179	0.0000	3.0000e-005	0.2282
Vendor	8.4000e-004	0.0209	6.1900e-003	8.0000e-005	2.4200e-003	2.3000e-004	2.6500e-003	7.0000e-004	2.2000e-004	9.2000e-004	0.0000	7.4318	7.4318	5.0000e-005	1.1200e-003	7.7672
Worker	0.0109	8.7600e-003	0.0947	2.4000e-004	0.0269	1.4000e-004	0.0270	7.1500e-003	1.3000e-004	7.2800e-003	0.0000	21.8613	21.8613	6.5000e-004	6.8000e-004	22.0809
Total	**0.0117**	**0.0302**	**0.1010**	**3.2000e-004**	**0.0294**	**3.8000e-004**	**0.0298**	**7.8700e-003**	**3.6000e-004**	**8.2200e-003**	**0.0000**	**29.5110**	**29.5110**	**7.0000e-004**	**1.8300e-003**	**30.0763**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1020	0.8106	0.8458	1.4900e-003		0.0365	0.0365		0.0350	0.0350	0.0000	123.5827	123.5827	0.0234	0.0000	124.1670
Total	**0.1020**	**0.8106**	**0.8458**	**1.4900e-003**		**0.0365**	**0.0365**		**0.0350**	**0.0350**	**0.0000**	**123.5827**	**123.5827**	**0.0234**	**0.0000**	**124.1670**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	5.5000e-004	1.1000e-004	0.0000	7.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2462	0.2462	0.0000	4.0000e-005	0.2578
Vendor	5.2000e-004	0.0200	6.3000e-003	9.0000e-005	2.8500e-003	1.2000e-004	2.9700e-003	8.2000e-004	1.2000e-004	9.4000e-004	0.0000	8.4374	8.4374	4.0000e-005	1.2700e-003	8.8167
Worker	0.0117	8.9600e-003	0.1005	2.7000e-004	0.0317	1.6000e-004	0.0318	8.4200e-003	1.5000e-004	8.5700e-003	0.0000	24.9257	24.9257	6.8000e-004	7.3000e-004	25.1605
Total	**0.0122**	**0.0295**	**0.1069**	**3.6000e-004**	**0.0346**	**2.9000e-004**	**0.0349**	**9.2600e-003**	**2.7000e-004**	**9.5400e-003**	**0.0000**	**33.6093**	**33.6093**	**7.2000e-004**	**2.0400e-003**	**34.2350**

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	0.1020	0.8106	0.8458	1.4900e-003		0.0365	0.0365		0.0350	0.0350	0.0000	123.5826	123.5826	0.0234	0.0000	124.1669
Total	**0.1020**	**0.8106**	**0.8458**	**1.4900e-003**		**0.0365**	**0.0365**		**0.0350**	**0.0350**	**0.0000**	**123.5826**	**123.5826**	**0.0234**	**0.0000**	**124.1669**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	5.5000e-004	1.1000e-004	0.0000	7.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2462	0.2462	0.0000	4.0000e-005	0.2578
Vendor	5.2000e-004	0.0200	6.3000e-003	9.0000e-005	2.8500e-003	1.2000e-004	2.9700e-003	8.2000e-004	1.2000e-004	9.4000e-004	0.0000	8.4374	8.4374	4.0000e-005	1.2700e-003	8.8167
Worker	0.0117	8.9600e-003	0.1005	2.7000e-004	0.0317	1.6000e-004	0.0318	8.4200e-003	1.5000e-004	8.5700e-003	0.0000	24.9257	24.9257	6.8000e-004	7.3000e-004	25.1605
Total	**0.0122**	**0.0295**	**0.1069**	**3.6000e-004**	**0.0346**	**2.9000e-004**	**0.0349**	**9.2600e-003**	**2.7000e-004**	**9.5400e-003**	**0.0000**	**33.6093**	**33.6093**	**7.2000e-004**	**2.0400e-003**	**34.2350**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4000e-003	0.0431	0.0584	9.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8179
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4000e-003**	**0.0431**	**0.0584**	**9.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8179**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	7.6000e-004	1.6000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3414	0.3414	0.0000	5.0000e-005	0.3574
Vendor	2.0000e-005	8.4000e-004	2.6000e-004	0.0000	1.2000e-004	1.0000e-005	1.2000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.3545	0.3545	0.0000	5.0000e-005	0.3705
Worker	3.4000e-004	2.6000e-004	2.9500e-003	1.0000e-005	9.3000e-004	0.0000	9.3000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7307	0.7307	2.0000e-005	2.0000e-005	0.7376
Total	**3.7000e-004**	**1.8600e-003**	**3.3700e-003**	**1.0000e-005**	**1.1500e-003**	**2.0000e-005**	**1.1600e-003**	**3.1000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**1.4266**	**1.4266**	**2.0000e-005**	**1.2000e-004**	**1.4654**

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	4.4000e-003	0.0431	0.0584	9.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8178
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4000e-003**	**0.0431**	**0.0584**	**9.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8178**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	7.6000e-004	1.6000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3414	0.3414	0.0000	5.0000e-005	0.3574
Vendor	2.0000e-005	8.4000e-004	2.6000e-004	0.0000	1.2000e-004	1.0000e-005	1.2000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.3545	0.3545	0.0000	5.0000e-005	0.3705
Worker	3.4000e-004	2.6000e-004	2.9500e-003	1.0000e-005	9.3000e-004	0.0000	9.3000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7307	0.7307	2.0000e-005	2.0000e-005	0.7376
Total	**3.7000e-004**	**1.8600e-003**	**3.3700e-003**	**1.0000e-005**	**1.1500e-003**	**2.0000e-005**	**1.1600e-003**	**3.1000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**1.4266**	**1.4266**	**2.0000e-005**	**1.2000e-004**	**1.4654**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.3148**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.3000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0569	0.0569	0.0000	1.0000e-005	0.0596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	1.7700e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4384	0.4384	1.0000e-005	1.0000e-005	0.4425
Total	**2.1000e-004**	**2.9000e-004**	**1.8000e-003**	**0.0000**	**5.8000e-004**	**0.0000**	**5.8000e-004**	**1.5000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.4953**	**0.4953**	**1.0000e-005**	**2.0000e-005**	**0.5021**

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	0.3139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.3148**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.3000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0569	0.0569	0.0000	1.0000e-005	0.0596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	1.7700e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4384	0.4384	1.0000e-005	1.0000e-005	0.4425
Total	**2.1000e-004**	**2.9000e-004**	**1.8000e-003**	**0.0000**	**5.8000e-004**	**0.0000**	**5.8000e-004**	**1.5000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.4953**	**0.4953**	**1.0000e-005**	**2.0000e-005**	**0.5021**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	16.80	7.10	7.90	38.40	22.60	39.00	86	11	3
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Health Club	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	9.2038	9.2038	7.8000e-004	9.0000e-005	9.2512
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9.2038	9.2038	7.8000e-004	9.0000e-005	9.2512
NaturalGas Mitigated	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	59.0405	59.0405	1.1300e-003	1.0800e-003	59.3914
NaturalGas Unmitigated	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	59.0405	59.0405	1.1300e-003	1.0800e-003	59.3914

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	773777	4.1700e-003	0.0357	0.0152	2.3000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	41.2917	41.2917	7.9000e-004	7.6000e-004	41.5371
Health Club	332600	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7488	17.7488	3.4000e-004	3.3000e-004	17.8543
Total		**5.9600e-003**	**0.0520**	**0.0289**	**3.3000e-004**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**59.0405**	**59.0405**	**1.1300e-003**	**1.0900e-003**	**59.3914**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	773777	4.1700e-003	0.0357	0.0152	2.3000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	41.2917	41.2917	7.9000e-004	7.6000e-004	41.5371
Health Club	332600	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7488	17.7488	3.4000e-004	3.3000e-004	17.8543
Total		**5.9600e-003**	**0.0520**	**0.0289**	**3.3000e-004**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**59.0405**	**59.0405**	**1.1300e-003**	**1.0900e-003**	**59.3914**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	38897.3	6.8983	5.8000e-004	7.0000e-005	6.9339
Health Club	13000	2.3055	1.9000e-004	2.0000e-005	2.3174
Total		**9.2038**	**7.7000e-004**	**9.0000e-005**	**9.2512**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	38897.3	6.8983	5.8000e-004	7.0000e-005	6.9339
Health Club	13000	2.3055	1.9000e-004	2.0000e-005	2.3174
Total		**9.2038**	**7.7000e-004**	**9.0000e-005**	**9.2512**

6.0 Area Detail

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0334	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2100e-003	3.2100e-003	0.0000	0.0000	3.2800e-003
Unmitigated	0.0334	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2400e-003	3.2400e-003	0.0000	0.0000	3.3100e-003

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2400e-003	3.2400e-003	0.0000	0.0000	3.3100e-003
Total	**0.0334**	**2.0000e-005**	**1.9800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.2400e-003**	**3.2400e-003**	**0.0000**	**0.0000**	**3.3100e-003**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2100e-003	3.2100e-003	0.0000	0.0000	3.2800e-003
Total	**0.0334**	**2.0000e-005**	**1.9700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.2100e-003**	**3.2100e-003**	**0.0000**	**0.0000**	**3.2800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Unmitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction - Commercial Development Component

Tulare County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.38	Acre	0.38	16,552.80	0
Parking Lot	2.87	Acre	2.87	125,017.20	0
City Park	0.57	Acre	0.57	24,829.20	0
Fast Food Restaurant with Drive Thru	3.40	1000sqft	0.08	3,400.00	0
High Turnover (Sit Down Restaurant)	2.70	1000sqft	0.06	2,700.00	0
Automobile Care Center	2.40	1000sqft	0.06	2,400.00	0
Convenience Market with Gas Pumps	3.00	1000sqft	0.13	3,000.00	0
Supermarket	23.00	1000sqft	0.53	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Commercial Development Component (non-residential uses)

Land Use - Commercial land uses based on information provided in the project description, traffic study, and project site plan.
Gross acreage for commercial component: 4.68 acres

Construction Phase - No demolition
Assumed commercial development and residential development could overlap to present a conservative estimate of emissions.

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Additional haul trips were added to each phase for mobilization/demobilization of on-site equipment (two trips per piece of equipment). Vendor trips added to the paving phase to account for delivery of materials.

Grading - Site relatively flat - cut/fill expected to balance on site
Added 2,500 cy of import and 2,500 cy of export to account for miscellaneous hauling trips and to provide a conservative estimate of emissions

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII

Vehicle Trips - Construction run only

Consumer Products - Construction run only

Area Coating - Construction run only

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Area Mitigation - Construction run only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblAreaCoating	ReapplicationRatePercent	10	1
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	150	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	1.31	0.00

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	NT24E	2.49	0.00
tblEnergyUse	NT24E	20.65	0.00
tblEnergyUse	NT24E	20.65	0.00
tblEnergyUse	NT24E	25.36	0.00
tblEnergyUse	T24E	0.36	0.00
tblEnergyUse	T24E	2.82	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	3.57	0.00
tblGrading	MaterialExported	0.00	2,500.00
tblGrading	MaterialImported	0.00	2,500.00
tblLandscapeEquipment	NumberSummerDays	180	1
tblLandUse	LotAcreage	0.07	0.13
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.17	0.00
tblSolidWaste	SolidWasteGenerationRate	0.05	0.00
tblSolidWaste	SolidWasteGenerationRate	9.02	0.00
tblSolidWaste	SolidWasteGenerationRate	39.16	0.00
tblSolidWaste	SolidWasteGenerationRate	32.13	0.00
tblSolidWaste	SolidWasteGenerationRate	129.72	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	14.00
tblTripsAndVMT	HaulingTripNumber	625.00	637.00
tblTripsAndVMT	HaulingTripNumber	0.00	18.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	624.20	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	616.12	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	ST_TR	177.62	0.00
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	624.20	0.00
tblVehicleTrips	SU_TR	472.58	0.00
tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	SU_TR	166.47	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	624.20	0.00
tblVehicleTrips	WD_TR	470.95	0.00
tblVehicleTrips	WD_TR	112.18	0.00
tblVehicleTrips	WD_TR	106.78	0.00
tblWater	IndoorWaterUseRate	225,794.66	0.00
tblWater	IndoorWaterUseRate	222,217.56	0.00
tblWater	IndoorWaterUseRate	1,032,014.62	0.00
tblWater	IndoorWaterUseRate	819,541.02	0.00
tblWater	IndoorWaterUseRate	2,835,168.94	0.00
tblWater	OutdoorWaterUseRate	138,390.27	0.00
tblWater	OutdoorWaterUseRate	679,144.37	0.00
tblWater	OutdoorWaterUseRate	136,197.86	0.00
tblWater	OutdoorWaterUseRate	65,873.27	0.00
tblWater	OutdoorWaterUseRate	52,311.13	0.00
tblWater	OutdoorWaterUseRate	87,685.64	0.00

2.0 Emissions Summary

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1235	1.0738	1.1161	2.4800e-003	0.1435	0.0487	0.1922	0.0568	0.0457	0.1025	0.0000	221.2442	221.2442	0.0345	8.8000e-003	224.7294
2023	0.2566	1.1630	1.4630	3.0200e-003	0.0851	0.0520	0.1372	0.0229	0.0489	0.0719	0.0000	267.8152	267.8152	0.0432	7.7300e-003	271.1968
Maximum	**0.2566**	**1.1630**	**1.4630**	**3.0200e-003**	**0.1435**	**0.0520**	**0.1922**	**0.0568**	**0.0489**	**0.1025**	**0.0000**	**267.8152**	**267.8152**	**0.0432**	**8.8000e-003**	**271.1968**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1235	1.0738	1.1161	2.4800e-003	0.1007	0.0487	0.1495	0.0353	0.0457	0.0810	0.0000	221.2440	221.2440	0.0345	8.8000e-003	224.7293
2023	0.2566	1.1630	1.4630	3.0200e-003	0.0851	0.0520	0.1372	0.0229	0.0489	0.0719	0.0000	267.8150	267.8150	0.0432	7.7300e-003	271.1966
Maximum	**0.2566**	**1.1630**	**1.4630**	**3.0200e-003**	**0.1007**	**0.0520**	**0.1495**	**0.0353**	**0.0489**	**0.0810**	**0.0000**	**267.8150**	**267.8150**	**0.0432**	**8.8000e-003**	**271.1966**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**18.70**	**0.00**	**12.98**	**26.92**	**0.00**	**12.30**	**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	**8-1-2022**	**10-31-2022**	0.7480	0.7480
2	**11-1-2022**	**1-31-2023**	0.6350	0.6350
3	**2-1-2023**	**4-30-2023**	0.5750	0.5750
4	**5-1-2023**	**7-31-2023**	0.5228	0.5228
5	**8-1-2023**	**9-30-2023**	0.1184	0.1184
		Highest	0.7480	0.7480

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	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	95.3852	95.3852	5.0700e-003	1.3500e-003	95.9131
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9500e-003**	**0.0420**	**0.0353**	**2.5000e-004**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**95.3852**	**95.3852**	**5.0700e-003**	**1.3500e-003**	**95.9131**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	95.3852	95.3852	5.0700e-003	1.3500e-003	95.9131
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9500e-003**	**0.0420**	**0.0353**	**2.5000e-004**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**95.3852**	**95.3852**	**5.0700e-003**	**1.3500e-003**	**95.9131**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/5/2022	5	5	
2	Grading	Grading	8/6/2022	8/17/2022	5	8	
3	Building Construction	Building Construction	8/18/2022	7/5/2023	5	230	

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	7/6/2023	7/31/2023	5	18	
5	Architectural Coating	Architectural Coating	8/1/2023	8/24/2023	5	18	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 3.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 51,752; Non-Residential Outdoor: 17,251; Striped Parking Area: 8,494 (Architectural Coating – sqft)

OffRoad Equipment

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

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	14.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	637.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	82.00	33.00	18.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	16.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	2.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274
Total	**7.9300e-003**	**0.0827**	**0.0492**	**1.0000e-004**	**0.0491**	**4.0300e-003**	**0.0532**	**0.0253**	**3.7100e-003**	**0.0290**	**0.0000**	**8.3599**	**8.3599**	**2.7000e-003**	**0.0000**	**8.4274**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0900e-003	2.1000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4153	0.4153	0.0000	7.0000e-005	0.4349
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.8000e-004	1.9600e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4530	0.4530	1.0000e-005	1.0000e-005	0.4576
Total	**2.5000e-004**	**1.2700e-003**	**2.1700e-003**	**0.0000**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**1.8000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**0.8684**	**0.8684**	**1.0000e-005**	**8.0000e-005**	**0.8925**

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					0.0221	0.0000	0.0221	0.0114	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274
Total	**7.9300e-003**	**0.0827**	**0.0492**	**1.0000e-004**	**0.0221**	**4.0300e-003**	**0.0261**	**0.0114**	**3.7100e-003**	**0.0151**	**0.0000**	**8.3598**	**8.3598**	**2.7000e-003**	**0.0000**	**8.4274**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0900e-003	2.1000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4153	0.4153	0.0000	7.0000e-005	0.4349
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.8000e-004	1.9600e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4530	0.4530	1.0000e-005	1.0000e-005	0.4576
Total	**2.5000e-004**	**1.2700e-003**	**2.1700e-003**	**0.0000**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**1.8000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**0.8684**	**0.8684**	**1.0000e-005**	**8.0000e-005**	**0.8925**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0286	0.0000	0.0286	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	**7.7900e-003**	**0.0834**	**0.0611**	**1.2000e-004**	**0.0286**	**3.7600e-003**	**0.0324**	**0.0137**	**3.4600e-003**	**0.0172**	**0.0000**	**10.4219**	**10.4219**	**3.3700e-003**	**0.0000**	**10.5062**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2200e-003	0.0495	9.3400e-003	2.0000e-004	5.4400e-003	4.9000e-004	5.9300e-003	1.5000e-003	4.7000e-004	1.9700e-003	0.0000	18.8981	18.8981	1.1000e-004	2.9700e-003	19.7867
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.4000e-004	2.6200e-003	1.0000e-005	7.4000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6040	0.6040	2.0000e-005	2.0000e-005	0.6101
Total	**1.5200e-003**	**0.0497**	**0.0120**	**2.1000e-004**	**6.1800e-003**	**4.9000e-004**	**6.6800e-003**	**1.7000e-003**	**4.7000e-004**	**2.1700e-003**	**0.0000**	**19.5021**	**19.5021**	**1.3000e-004**	**2.9900e-003**	**20.3968**

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					0.0129	0.0000	0.0129	6.1800e-003	0.0000	6.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	**7.7900e-003**	**0.0834**	**0.0611**	**1.2000e-004**	**0.0129**	**3.7600e-003**	**0.0166**	**6.1800e-003**	**3.4600e-003**	**9.6400e-003**	**0.0000**	**10.4219**	**10.4219**	**3.3700e-003**	**0.0000**	**10.5062**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2200e-003	0.0495	9.3400e-003	2.0000e-004	5.4400e-003	4.9000e-004	5.9300e-003	1.5000e-003	4.7000e-004	1.9700e-003	0.0000	18.8981	18.8981	1.1000e-004	2.9700e-003	19.7867
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.4000e-004	2.6200e-003	1.0000e-005	7.4000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6040	0.6040	2.0000e-005	2.0000e-005	0.6101
Total	**1.5200e-003**	**0.0497**	**0.0120**	**2.1000e-004**	**6.1800e-003**	**4.9000e-004**	**6.6800e-003**	**1.7000e-003**	**4.7000e-004**	**2.1700e-003**	**0.0000**	**19.5021**	**19.5021**	**1.3000e-004**	**2.9900e-003**	**20.3968**

3.4 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	0.0828	0.7574	0.7936	1.3100e-003		0.0392	0.0392		0.0369	0.0369	0.0000	112.3867	112.3867	0.0269	0.0000	113.0599
Total	**0.0828**	**0.7574**	**0.7936**	**1.3100e-003**		**0.0392**	**0.0392**		**0.0369**	**0.0369**	**0.0000**	**112.3867**	**112.3867**	**0.0269**	**0.0000**	**113.0599**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.0000e-005	5.9000e-004	1.1000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2252	0.2252	0.0000	4.0000e-005	0.2358
Vendor	3.3300e-003	0.0827	0.0245	3.1000e-004	9.5700e-003	9.2000e-004	0.0105	2.7700e-003	8.8000e-004	3.6500e-003	0.0000	29.4421	29.4421	2.1000e-004	4.4400e-003	30.7706
Worker	0.0199	0.0160	0.1734	4.4000e-004	0.0493	2.6000e-004	0.0495	0.0131	2.4000e-004	0.0133	0.0000	40.0379	40.0379	1.1900e-003	1.2500e-003	40.4402
Total	**0.0232**	**0.0994**	**0.1980**	**7.5000e-004**	**0.0589**	**1.1900e-003**	**0.0601**	**0.0159**	**1.1300e-003**	**0.0170**	**0.0000**	**69.7052**	**69.7052**	**1.4000e-003**	**5.7300e-003**	**71.4467**

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	0.0828	0.7574	0.7936	1.3100e-003		0.0392	0.0392		0.0369	0.0369	0.0000	112.3866	112.3866	0.0269	0.0000	113.0597
Total	**0.0828**	**0.7574**	**0.7936**	**1.3100e-003**		**0.0392**	**0.0392**		**0.0369**	**0.0369**	**0.0000**	**112.3866**	**112.3866**	**0.0269**	**0.0000**	**113.0597**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.0000e-005	5.9000e-004	1.1000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2252	0.2252	0.0000	4.0000e-005	0.2358
Vendor	3.3300e-003	0.0827	0.0245	3.1000e-004	9.5700e-003	9.2000e-004	0.0105	2.7700e-003	8.8000e-004	3.6500e-003	0.0000	29.4421	29.4421	2.1000e-004	4.4400e-003	30.7706
Worker	0.0199	0.0160	0.1734	4.4000e-004	0.0493	2.6000e-004	0.0495	0.0131	2.4000e-004	0.0133	0.0000	40.0379	40.0379	1.1900e-003	1.2500e-003	40.4402
Total	**0.0232**	**0.0994**	**0.1980**	**7.5000e-004**	**0.0589**	**1.1900e-003**	**0.0601**	**0.0159**	**1.1300e-003**	**0.0170**	**0.0000**	**69.7052**	**69.7052**	**1.4000e-003**	**5.7300e-003**	**71.4467**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1046	0.9566	1.0802	1.7900e-003		0.0465	0.0465		0.0438	0.0438	0.0000	154.1502	154.1502	0.0367	0.0000	155.0669
Total	**0.1046**	**0.9566**	**1.0802**	**1.7900e-003**		**0.0465**	**0.0465**		**0.0438**	**0.0438**	**0.0000**	**154.1502**	**154.1502**	**0.0367**	**0.0000**	**155.0669**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	6.6000e-004	1.4000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2961	0.2961	0.0000	5.0000e-005	0.3100
Vendor	2.3800e-003	0.0920	0.0290	4.1000e-004	0.0131	5.7000e-004	0.0137	3.7900e-003	5.5000e-004	4.3400e-003	0.0000	38.8987	38.8987	1.9000e-004	5.8500e-003	40.6475
Worker	0.0249	0.0191	0.2142	5.8000e-004	0.0675	3.4000e-004	0.0679	0.0180	3.1000e-004	0.0183	0.0000	53.1249	53.1249	1.4400e-003	1.5600e-003	53.6253
Total	**0.0273**	**0.1118**	**0.2434**	**9.9000e-004**	**0.0808**	**9.2000e-004**	**0.0817**	**0.0218**	**8.7000e-004**	**0.0226**	**0.0000**	**92.3197**	**92.3197**	**1.6300e-003**	**7.4600e-003**	**94.5828**

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	0.1046	0.9566	1.0802	1.7900e-003		0.0465	0.0465		0.0438	0.0438	0.0000	154.1500	154.1500	0.0367	0.0000	155.0667
Total	**0.1046**	**0.9566**	**1.0802**	**1.7900e-003**		**0.0465**	**0.0465**		**0.0438**	**0.0438**	**0.0000**	**154.1500**	**154.1500**	**0.0367**	**0.0000**	**155.0667**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	6.6000e-004	1.4000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2961	0.2961	0.0000	5.0000e-005	0.3100
Vendor	2.3800e-003	0.0920	0.0290	4.1000e-004	0.0131	5.7000e-004	0.0137	3.7900e-003	5.5000e-004	4.3400e-003	0.0000	38.8987	38.8987	1.9000e-004	5.8500e-003	40.6475
Worker	0.0249	0.0191	0.2142	5.8000e-004	0.0675	3.4000e-004	0.0679	0.0180	3.1000e-004	0.0183	0.0000	53.1249	53.1249	1.4400e-003	1.5600e-003	53.6253
Total	**0.0273**	**0.1118**	**0.2434**	**9.9000e-004**	**0.0808**	**9.2000e-004**	**0.0817**	**0.0218**	**8.7000e-004**	**0.0226**	**0.0000**	**92.3197**	**92.3197**	**1.6300e-003**	**7.4600e-003**	**94.5828**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	3.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.0791**	**0.1097**	**1.7000e-004**		**3.9200e-003**	**3.9200e-003**		**3.6200e-003**	**3.6200e-003**	**0.0000**	**14.7407**	**14.7407**	**4.6300e-003**	**0.0000**	**14.8565**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.0200e-003	2.1000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4552	0.4552	0.0000	7.0000e-005	0.4766
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6381	0.6381	0.0000	1.0000e-004	0.6668
Worker	8.2000e-004	6.3000e-004	7.0700e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.7536	1.7536	5.0000e-005	5.0000e-005	1.7701
Total	**8.8000e-004**	**3.1600e-003**	**7.7600e-003**	**3.0000e-005**	**2.5900e-003**	**3.0000e-005**	**2.6100e-003**	**6.9000e-004**	**3.0000e-005**	**7.2000e-004**	**0.0000**	**2.8469**	**2.8469**	**5.0000e-005**	**2.2000e-004**	**2.9135**

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	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	3.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.0791**	**0.1097**	**1.7000e-004**		**3.9200e-003**	**3.9200e-003**		**3.6200e-003**	**3.6200e-003**	**0.0000**	**14.7407**	**14.7407**	**4.6300e-003**	**0.0000**	**14.8565**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.0200e-003	2.1000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4552	0.4552	0.0000	7.0000e-005	0.4766
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6381	0.6381	0.0000	1.0000e-004	0.6668
Worker	8.2000e-004	6.3000e-004	7.0700e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.7536	1.7536	5.0000e-005	5.0000e-005	1.7701
Total	**8.8000e-004**	**3.1600e-003**	**7.7600e-003**	**3.0000e-005**	**2.5900e-003**	**3.0000e-005**	**2.6100e-003**	**6.9000e-004**	**3.0000e-005**	**7.2000e-004**	**0.0000**	**2.8469**	**2.8469**	**5.0000e-005**	**2.2000e-004**	**2.9135**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	**0.1112**	**0.0117**	**0.0163**	**3.0000e-005**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**	**0.0000**	**2.2979**	**2.2979**	**1.4000e-004**	**0.0000**	**2.3014**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.3000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0569	0.0569	0.0000	1.0000e-005	0.0596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	5.0000e-004	5.6600e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4029	1.4029	4.0000e-005	4.0000e-005	1.4161
Total	**6.6000e-004**	**6.3000e-004**	**5.6900e-003**	**2.0000e-005**	**1.8000e-003**	**1.0000e-005**	**1.8100e-003**	**4.7000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.4598**	**1.4598**	**4.0000e-005**	**5.0000e-005**	**1.4757**

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	0.1095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	**0.1112**	**0.0117**	**0.0163**	**3.0000e-005**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**	**0.0000**	**2.2979**	**2.2979**	**1.4000e-004**	**0.0000**	**2.3014**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.3000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0569	0.0569	0.0000	1.0000e-005	0.0596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	5.0000e-004	5.6600e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4029	1.4029	4.0000e-005	4.0000e-005	1.4161
Total	**6.6000e-004**	**6.3000e-004**	**5.6900e-003**	**2.0000e-005**	**1.8000e-003**	**1.0000e-005**	**1.8100e-003**	**4.7000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.4598**	**1.4598**	**4.0000e-005**	**5.0000e-005**	**1.4757**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Convenience Market with Gas Pumps	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	14.70	6.60	6.60	33.00	48.00	19.00	21	51	28
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Convenience Market with Gas	14.70	6.60	6.60	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	14.70	6.60	6.60	2.20	78.80	19.00	29	21	50

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down	14.70	6.60	6.60	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Supermarket	14.70	6.60	6.60	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
City Park	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Convenience Market with Gas Pumps	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Fast Food Restaurant with Drive Thru	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
High Turnover (Sit Down Restaurant)	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Other Non-Asphalt Surfaces	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Parking Lot	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Supermarket	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	49.6319	49.6319	4.1900e-003	5.1000e-004	49.8880
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	49.6319	49.6319	4.1900e-003	5.1000e-004	49.8880
NaturalGas Mitigated	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.7533	45.7533	8.8000e-004	8.4000e-004	46.0252
NaturalGas Unmitigated	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.7533	45.7533	8.8000e-004	8.4000e-004	46.0252

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	39912	2.2000e-004	1.9600e-003	1.6400e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1299	2.1299	4.0000e-005	4.0000e-005	2.1425
City Park	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
Convenience Market with Gas Pumps	16950	9.0000e-005	8.3000e-004	7.0000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.9045	0.9045	2.0000e-005	2.0000e-005	0.9099
Fast Food Restaurant with Drive Thru	336328	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9477	17.9477	3.4000e-004	3.3000e-004	18.0544
High Turnover (Sit Down Restaurant)	267084	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2526	14.2526	2.7000e-004	2.6000e-004	14.3373
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	197110	1.0600e-003	9.6600e-003	8.1200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5185	10.5185	2.0000e-004	1.9000e-004	10.5811
Total		**4.6200e-003**	**0.0420**	**0.0353**	**2.5000e-004**		**3.1900e-003**	**3.1900e-003**		**3.1900e-003**	**3.1900e-003**	**0.0000**	**45.7533**	**45.7533**	**8.7000e-004**	**8.4000e-004**	**46.0252**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	39912	2.2000e-004	1.9600e-003	1.6400e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1299	2.1299	4.0000e-005	4.0000e-005	2.1425
City Park	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
Convenience Market with Gas Pumps	16950	9.0000e-005	8.3000e-004	7.0000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.9045	0.9045	2.0000e-005	2.0000e-005	0.9099
Fast Food Restaurant with Drive Thru	336328	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9477	17.9477	3.4000e-004	3.3000e-004	18.0544
High Turnover (Sit Down Restaurant)	267084	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2526	14.2526	2.7000e-004	2.6000e-004	14.3373
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	197110	1.0600e-003	9.6600e-003	8.1200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5185	10.5185	2.0000e-004	1.9000e-004	10.5811
Total		**4.6200e-003**	**0.0420**	**0.0353**	**2.5000e-004**		**3.1900e-003**	**3.1900e-003**		**3.1900e-003**	**3.1900e-003**	**0.0000**	**45.7533**	**45.7533**	**8.7000e-004**	**8.4000e-004**	**46.0252**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	1560	0.2767	2.0000e-005	0.0000	0.2781
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	13590	2.4101	2.0000e-004	2.0000e-005	2.4226
Fast Food Restaurant with Drive Thru	17136	3.0390	2.6000e-004	3.0000e-005	3.0547
High Turnover (Sit Down Restaurant)	13608	2.4133	2.0000e-004	2.0000e-005	2.4258
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	43756	7.7599	6.5000e-004	8.0000e-005	7.8000
Supermarket	190210	33.7329	2.8500e-003	3.5000e-004	33.9069
Total		**49.6319**	**4.1800e-003**	**5.0000e-004**	**49.8880**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	1560	0.2767	2.0000e-005	0.0000	0.2781
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	13590	2.4101	2.0000e-004	2.0000e-005	2.4226
Fast Food Restaurant with Drive Thru	17136	3.0390	2.6000e-004	3.0000e-005	3.0547
High Turnover (Sit Down Restaurant)	13608	2.4133	2.0000e-004	2.0000e-005	2.4258
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	43756	7.7599	6.5000e-004	8.0000e-005	7.8000
Supermarket	190210	33.7329	2.8500e-003	3.5000e-004	33.9069
Total		**49.6319**	**4.1800e-003**	**5.0000e-004**	**49.8880**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3200e-003**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3200e-003**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Unmitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction - Multi-family Residential Component

Tulare County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	20.00	1000sqft	0.46	20,000.00	0
Apartments Low Rise	48.00	Dwelling Unit	2.24	85,500.00	137

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 48 dwelling units (building square footage increased compared to default values based on project-specific information provided in the site plan)
Additional building to account for amenities and leasing office
2.70 acres

Construction Phase - No demolition

Trips and VMT - Additional haul trips were added to each phase for mobilization/demobilization of on-site equipment (two trips per piece of equipment).
Vendor trips added to the paving phase to account for delivery of materials.

Grading - Site relatively flat - cut/fill expected to balance on site

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Consumer Products - Construction only run

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Area Coating - SJVAPCD Rule 4601 Architectural Coatings

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII
Mitigation: Tier IV Mitigated Offroad Construction Equipment >50 HP

Area Mitigation - Construction run only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24E	1.31	0.00
tblEnergyUse	T24E	139.08	0.00
tblEnergyUse	T24E	0.36	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	26.40	0.00
tblLandscapeEquipment	NumberSummerDays	180	1
tblLandUse	LandUseSquareFeet	48,000.00	85,500.00
tblLandUse	LotAcreage	3.00	2.24
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	22.08	0.00
tblSolidWaste	SolidWasteGenerationRate	114.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.28	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	0.00
tblWater	IndoorWaterUseRate	1,182,862.88	0.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	724,980.48	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1123	0.8434	0.8706	1.6900e-003	0.0537	0.0390	0.0926	0.0186	0.0372	0.0558	0.0000	143.8905	143.8905	0.0238	1.9200e-003	145.0554
2023	0.4340	0.8918	1.0253	1.9800e-003	0.0363	0.0393	0.0757	9.7300e-003	0.0376	0.0474	0.0000	168.1469	168.1469	0.0267	2.1900e-003	169.4659
Maximum	**0.4340**	**0.8918**	**1.0253**	**1.9800e-003**	**0.0537**	**0.0393**	**0.0926**	**0.0186**	**0.0376**	**0.0558**	**0.0000**	**168.1469**	**168.1469**	**0.0267**	**2.1900e-003**	**169.4659**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0651	0.3017	0.9379	1.6900e-003	0.0407	0.0116	0.0522	0.0128	0.0116	0.0243	0.0000	143.8904	143.8904	0.0238	1.9200e-003	145.0553
2023	0.3853	0.3433	1.1086	1.9800e-003	0.0363	0.0120	0.0483	9.7300e-003	0.0119	0.0217	0.0000	168.1468	168.1468	0.0267	2.1900e-003	169.4658
Maximum	**0.3853**	**0.3433**	**1.1086**	**1.9800e-003**	**0.0407**	**0.0120**	**0.0522**	**0.0128**	**0.0119**	**0.0243**	**0.0000**	**168.1468**	**168.1468**	**0.0267**	**2.1900e-003**	**169.4658**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**17.55**	**62.83**	**-7.95**	**0.00**	**14.45**	**69.97**	**40.28**	**20.49**	**68.63**	**55.43**	**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	**8-1-2022**	**10-31-2022**	0.5730	0.2127
2	**11-1-2022**	**1-31-2023**	0.5554	0.2310
3	**2-1-2023**	**4-30-2023**	0.5105	0.2162
4	**5-1-2023**	**7-31-2023**	0.6350	0.4365
		Highest	0.6350	0.4365

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	0.0334	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2400e-003	3.2400e-003	0.0000	0.0000	3.3100e-003
Energy	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	68.2443	68.2443	1.9100e-003	1.1800e-003	68.6426
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0393**	**0.0520**	**0.0309**	**3.3000e-004**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**68.2475**	**68.2475**	**1.9100e-003**	**1.1800e-003**	**68.6459**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0334	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2100e-003	3.2100e-003	0.0000	0.0000	3.2800e-003
Energy	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	68.2443	68.2443	1.9100e-003	1.1800e-003	68.6426
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0393**	**0.0520**	**0.0308**	**3.3000e-004**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**68.2475**	**68.2475**	**1.9100e-003**	**1.1800e-003**	**68.6459**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/3/2022	5	3	
2	Grading	Grading	8/4/2022	8/11/2022	5	6	
3	Building Construction	Building Construction	8/12/2022	6/15/2023	5	220	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	6/16/2023	6/29/2023	5	10	
5	Architectural Coating	Architectural Coating	6/30/2023	7/13/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

Residential Indoor: 173,138; Residential Outdoor: 57,713; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3	8.00	0.00	6.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	8.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	43.00	8.00	16.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	12.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	2.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**2.0700e-003**	**0.0235**	**0.0151**	**4.0000e-005**	**2.3900e-003**	**8.9000e-004**	**3.2800e-003**	**2.6000e-004**	**8.2000e-004**	**1.0800e-003**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.7000e-004	9.0000e-005	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1780	0.1780	0.0000	3.0000e-005	0.1864
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1208	0.1208	0.0000	0.0000	0.1220
Total	**7.0000e-005**	**5.2000e-004**	**6.1000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2988**	**0.2988**	**0.0000**	**3.0000e-005**	**0.3084**

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					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-004	1.9600e-003	0.0178	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**4.5000e-004**	**1.9600e-003**	**0.0178**	**4.0000e-005**	**1.0700e-003**	**6.0000e-005**	**1.1300e-003**	**1.2000e-004**	**6.0000e-005**	**1.8000e-004**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.7000e-004	9.0000e-005	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1780	0.1780	0.0000	3.0000e-005	0.1864
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1208	0.1208	0.0000	0.0000	0.1220
Total	**7.0000e-005**	**5.2000e-004**	**6.1000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.1000e-004**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.2988**	**0.2988**	**0.0000**	**3.0000e-005**	**0.3084**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**4.6200e-003**	**0.0510**	**0.0277**	**6.0000e-005**	**0.0213**	**2.2300e-003**	**0.0235**	**0.0103**	**2.0500e-003**	**0.0123**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	6.2000e-004	1.2000e-004	0.0000	7.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2373	0.2373	0.0000	4.0000e-005	0.2485
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	1.5000e-004	1.2000e-004	1.3100e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3020	0.3020	1.0000e-005	1.0000e-005	0.3051
Total	**1.7000e-004**	**7.4000e-004**	**1.4300e-003**	**0.0000**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**1.2000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**0.5394**	**0.5394**	**1.0000e-005**	**5.0000e-005**	**0.5536**

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					9.5600e-003	0.0000	9.5600e-003	4.6200e-003	0.0000	4.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6000e-004	3.2800e-003	0.0327	6.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**7.6000e-004**	**3.2800e-003**	**0.0327**	**6.0000e-005**	**9.5600e-003**	**1.0000e-004**	**9.6600e-003**	**4.6200e-003**	**1.0000e-004**	**4.7200e-003**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	6.2000e-004	1.2000e-004	0.0000	7.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2373	0.2373	0.0000	4.0000e-005	0.2485
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	1.5000e-004	1.2000e-004	1.3100e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3020	0.3020	1.0000e-005	1.0000e-005	0.3051
Total	**1.7000e-004**	**7.4000e-004**	**1.4300e-003**	**0.0000**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**1.2000e-004**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**0.5394**	**0.5394**	**1.0000e-005**	**5.0000e-005**	**0.5536**

3.4 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	0.0937	0.7375	0.7248	1.2600e-003		0.0355	0.0355		0.0340	0.0340	0.0000	104.8785	104.8785	0.0202	0.0000	105.3843
Total	**0.0937**	**0.7375**	**0.7248**	**1.2600e-003**		**0.0355**	**0.0355**		**0.0340**	**0.0340**	**0.0000**	**104.8785**	**104.8785**	**0.0202**	**0.0000**	**105.3843**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.0000e-005	5.7000e-004	1.1000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2179	0.2179	0.0000	3.0000e-005	0.2282
Vendor	8.4000e-004	0.0209	6.1900e-003	8.0000e-005	2.4200e-003	2.3000e-004	2.6500e-003	7.0000e-004	2.2000e-004	9.2000e-004	0.0000	7.4318	7.4318	5.0000e-005	1.1200e-003	7.7672
Worker	0.0109	8.7600e-003	0.0947	2.4000e-004	0.0269	1.4000e-004	0.0270	7.1500e-003	1.3000e-004	7.2800e-003	0.0000	21.8613	21.8613	6.5000e-004	6.8000e-004	22.0809
Total	**0.0117**	**0.0302**	**0.1010**	**3.2000e-004**	**0.0294**	**3.8000e-004**	**0.0298**	**7.8700e-003**	**3.6000e-004**	**8.2200e-003**	**0.0000**	**29.5110**	**29.5110**	**7.0000e-004**	**1.8300e-003**	**30.0763**

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	0.0519	0.2650	0.7844	1.2600e-003		0.0110	0.0110		0.0110	0.0110	0.0000	104.8783	104.8783	0.0202	0.0000	105.3842
Total	**0.0519**	**0.2650**	**0.7844**	**1.2600e-003**		**0.0110**	**0.0110**		**0.0110**	**0.0110**	**0.0000**	**104.8783**	**104.8783**	**0.0202**	**0.0000**	**105.3842**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.0000e-005	5.7000e-004	1.1000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2179	0.2179	0.0000	3.0000e-005	0.2282
Vendor	8.4000e-004	0.0209	6.1900e-003	8.0000e-005	2.4200e-003	2.3000e-004	2.6500e-003	7.0000e-004	2.2000e-004	9.2000e-004	0.0000	7.4318	7.4318	5.0000e-005	1.1200e-003	7.7672
Worker	0.0109	8.7600e-003	0.0947	2.4000e-004	0.0269	1.4000e-004	0.0270	7.1500e-003	1.3000e-004	7.2800e-003	0.0000	21.8613	21.8613	6.5000e-004	6.8000e-004	22.0809
Total	**0.0117**	**0.0302**	**0.1010**	**3.2000e-004**	**0.0294**	**3.8000e-004**	**0.0298**	**7.8700e-003**	**3.6000e-004**	**8.2200e-003**	**0.0000**	**29.5110**	**29.5110**	**7.0000e-004**	**1.8300e-003**	**30.0763**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1020	0.8106	0.8458	1.4900e-003		0.0365	0.0365		0.0350	0.0350	0.0000	123.5827	123.5827	0.0234	0.0000	124.1670
Total	**0.1020**	**0.8106**	**0.8458**	**1.4900e-003**		**0.0365**	**0.0365**		**0.0350**	**0.0350**	**0.0000**	**123.5827**	**123.5827**	**0.0234**	**0.0000**	**124.1670**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	5.5000e-004	1.1000e-004	0.0000	7.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2462	0.2462	0.0000	4.0000e-005	0.2578
Vendor	5.2000e-004	0.0200	6.3000e-003	9.0000e-005	2.8500e-003	1.2000e-004	2.9700e-003	8.2000e-004	1.2000e-004	9.4000e-004	0.0000	8.4374	8.4374	4.0000e-005	1.2700e-003	8.8167
Worker	0.0117	8.9600e-003	0.1005	2.7000e-004	0.0317	1.6000e-004	0.0318	8.4200e-003	1.5000e-004	8.5700e-003	0.0000	24.9257	24.9257	6.8000e-004	7.3000e-004	25.1605
Total	**0.0122**	**0.0295**	**0.1069**	**3.6000e-004**	**0.0346**	**2.9000e-004**	**0.0349**	**9.2600e-003**	**2.7000e-004**	**9.5400e-003**	**0.0000**	**33.6093**	**33.6093**	**7.2000e-004**	**2.0400e-003**	**34.2350**

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	0.0572	0.3047	0.9210	1.4900e-003		0.0114	0.0114		0.0114	0.0114	0.0000	123.5826	123.5826	0.0234	0.0000	124.1669
Total	**0.0572**	**0.3047**	**0.9210**	**1.4900e-003**		**0.0114**	**0.0114**		**0.0114**	**0.0114**	**0.0000**	**123.5826**	**123.5826**	**0.0234**	**0.0000**	**124.1669**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	5.5000e-004	1.1000e-004	0.0000	7.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2462	0.2462	0.0000	4.0000e-005	0.2578
Vendor	5.2000e-004	0.0200	6.3000e-003	9.0000e-005	2.8500e-003	1.2000e-004	2.9700e-003	8.2000e-004	1.2000e-004	9.4000e-004	0.0000	8.4374	8.4374	4.0000e-005	1.2700e-003	8.8167
Worker	0.0117	8.9600e-003	0.1005	2.7000e-004	0.0317	1.6000e-004	0.0318	8.4200e-003	1.5000e-004	8.5700e-003	0.0000	24.9257	24.9257	6.8000e-004	7.3000e-004	25.1605
Total	**0.0122**	**0.0295**	**0.1069**	**3.6000e-004**	**0.0346**	**2.9000e-004**	**0.0349**	**9.2600e-003**	**2.7000e-004**	**9.5400e-003**	**0.0000**	**33.6093**	**33.6093**	**7.2000e-004**	**2.0400e-003**	**34.2350**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4000e-003	0.0431	0.0584	9.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8179
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4000e-003**	**0.0431**	**0.0584**	**9.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8179**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	7.6000e-004	1.6000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3414	0.3414	0.0000	5.0000e-005	0.3574
Vendor	2.0000e-005	8.4000e-004	2.6000e-004	0.0000	1.2000e-004	1.0000e-005	1.2000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.3545	0.3545	0.0000	5.0000e-005	0.3705
Worker	3.4000e-004	2.6000e-004	2.9500e-003	1.0000e-005	9.3000e-004	0.0000	9.3000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7307	0.7307	2.0000e-005	2.0000e-005	0.7376
Total	**3.7000e-004**	**1.8600e-003**	**3.3700e-003**	**1.0000e-005**	**1.1500e-003**	**2.0000e-005**	**1.1600e-003**	**3.1000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**1.4266**	**1.4266**	**2.0000e-005**	**1.2000e-004**	**1.4654**

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	1.3500e-003	6.4000e-003	0.0664	9.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8178
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3500e-003**	**6.4000e-003**	**0.0664**	**9.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8178**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	7.6000e-004	1.6000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3414	0.3414	0.0000	5.0000e-005	0.3574
Vendor	2.0000e-005	8.4000e-004	2.6000e-004	0.0000	1.2000e-004	1.0000e-005	1.2000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.3545	0.3545	0.0000	5.0000e-005	0.3705
Worker	3.4000e-004	2.6000e-004	2.9500e-003	1.0000e-005	9.3000e-004	0.0000	9.3000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7307	0.7307	2.0000e-005	2.0000e-005	0.7376
Total	**3.7000e-004**	**1.8600e-003**	**3.3700e-003**	**1.0000e-005**	**1.1500e-003**	**2.0000e-005**	**1.1600e-003**	**3.1000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**1.4266**	**1.4266**	**2.0000e-005**	**1.2000e-004**	**1.4654**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.3148**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.3000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0569	0.0569	0.0000	1.0000e-005	0.0596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	1.7700e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4384	0.4384	1.0000e-005	1.0000e-005	0.4425
Total	**2.1000e-004**	**2.9000e-004**	**1.8000e-003**	**0.0000**	**5.8000e-004**	**0.0000**	**5.8000e-004**	**1.5000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.4953**	**0.4953**	**1.0000e-005**	**2.0000e-005**	**0.5021**

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	0.3139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	6.4000e-004	9.1600e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.3140**	**6.4000e-004**	**9.1600e-003**	**1.0000e-005**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.3000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0569	0.0569	0.0000	1.0000e-005	0.0596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	1.7700e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4384	0.4384	1.0000e-005	1.0000e-005	0.4425
Total	**2.1000e-004**	**2.9000e-004**	**1.8000e-003**	**0.0000**	**5.8000e-004**	**0.0000**	**5.8000e-004**	**1.5000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.4953**	**0.4953**	**1.0000e-005**	**2.0000e-005**	**0.5021**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	16.80	7.10	7.90	38.40	22.60	39.00	86	11	3
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Health Club	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	9.2038	9.2038	7.8000e-004	9.0000e-005	9.2512
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9.2038	9.2038	7.8000e-004	9.0000e-005	9.2512
NaturalGas Mitigated	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	59.0405	59.0405	1.1300e-003	1.0800e-003	59.3914
NaturalGas Unmitigated	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	59.0405	59.0405	1.1300e-003	1.0800e-003	59.3914

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	773777	4.1700e-003	0.0357	0.0152	2.3000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	41.2917	41.2917	7.9000e-004	7.6000e-004	41.5371
Health Club	332600	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7488	17.7488	3.4000e-004	3.3000e-004	17.8543
Total		**5.9600e-003**	**0.0520**	**0.0289**	**3.3000e-004**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**59.0405**	**59.0405**	**1.1300e-003**	**1.0900e-003**	**59.3914**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	773777	4.1700e-003	0.0357	0.0152	2.3000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	41.2917	41.2917	7.9000e-004	7.6000e-004	41.5371
Health Club	332600	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7488	17.7488	3.4000e-004	3.3000e-004	17.8543
Total		**5.9600e-003**	**0.0520**	**0.0289**	**3.3000e-004**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**59.0405**	**59.0405**	**1.1300e-003**	**1.0900e-003**	**59.3914**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	38897.3	6.8983	5.8000e-004	7.0000e-005	6.9339
Health Club	13000	2.3055	1.9000e-004	2.0000e-005	2.3174
Total		**9.2038**	**7.7000e-004**	**9.0000e-005**	**9.2512**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	38897.3	6.8983	5.8000e-004	7.0000e-005	6.9339
Health Club	13000	2.3055	1.9000e-004	2.0000e-005	2.3174
Total		**9.2038**	**7.7000e-004**	**9.0000e-005**	**9.2512**

6.0 Area Detail

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0334	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2100e-003	3.2100e-003	0.0000	0.0000	3.2800e-003
Unmitigated	0.0334	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2400e-003	3.2400e-003	0.0000	0.0000	3.3100e-003

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2400e-003	3.2400e-003	0.0000	0.0000	3.3100e-003
Total	**0.0334**	**2.0000e-005**	**1.9800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.2400e-003**	**3.2400e-003**	**0.0000**	**0.0000**	**3.3100e-003**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2100e-003	3.2100e-003	0.0000	0.0000	3.2800e-003
Total	**0.0334**	**2.0000e-005**	**1.9700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.2100e-003**	**3.2100e-003**	**0.0000**	**0.0000**	**3.2800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Mitigated Construction - Multi-family Residential Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction - Commercial Development Component

Tulare County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.38	Acre	0.38	16,552.80	0
Parking Lot	2.87	Acre	2.87	125,017.20	0
City Park	0.57	Acre	0.57	24,829.20	0
Fast Food Restaurant with Drive Thru	3.40	1000sqft	0.08	3,400.00	0
High Turnover (Sit Down Restaurant)	2.70	1000sqft	0.06	2,700.00	0
Automobile Care Center	2.40	1000sqft	0.06	2,400.00	0
Convenience Market with Gas Pumps	3.00	1000sqft	0.13	3,000.00	0
Supermarket	23.00	1000sqft	0.53	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Commercial Development Component (non-residential uses)

Land Use - Commercial land uses based on information provided in the project description, traffic study, and project site plan.
Gross acreage for commercial component: 4.68 acres

Construction Phase - No demolition
Assumed commercial development and residential development could overlap to present a conservative estimate of emissions.

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Additional haul trips were added to each phase for mobilization/demobilization of on-site equipment (two trips per piece of equipment). Vendor trips added to the paving phase to account for delivery of materials.

Grading - Site relatively flat - cut/fill expected to balance on site
Added 2,500 cy of import and 2,500 cy of export to account for miscellaneous hauling trips and to provide a conservative estimate of emissions

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Construction run only

Consumer Products - Construction run only

Area Coating - Construction run only

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII
Mitigation: Tier IV Mitigated Offroad Construction Equipment >50 HP

Area Mitigation - Construction run only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblAreaCoating	ReapplicationRatePercent	10	1
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	1.31	0.00
tblEnergyUse	NT24E	2.49	0.00
tblEnergyUse	NT24E	20.65	0.00
tblEnergyUse	NT24E	20.65	0.00
tblEnergyUse	NT24E	25.36	0.00
tblEnergyUse	T24E	0.36	0.00
tblEnergyUse	T24E	2.82	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	3.57	0.00

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblGrading	MaterialExported	0.00	2,500.00
tblGrading	MaterialImported	0.00	2,500.00
tblLandscapeEquipment	NumberSummerDays	180	1
tblLandUse	LotAcreage	0.07	0.13
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.17	0.00
tblSolidWaste	SolidWasteGenerationRate	0.05	0.00
tblSolidWaste	SolidWasteGenerationRate	9.02	0.00
tblSolidWaste	SolidWasteGenerationRate	39.16	0.00
tblSolidWaste	SolidWasteGenerationRate	32.13	0.00
tblSolidWaste	SolidWasteGenerationRate	129.72	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	14.00
tblTripsAndVMT	HaulingTripNumber	625.00	637.00
tblTripsAndVMT	HaulingTripNumber	0.00	18.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	624.20	0.00
tblVehicleTrips	ST_TR	616.12	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	ST_TR	177.62	0.00
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	624.20	0.00
tblVehicleTrips	SU_TR	472.58	0.00
tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	SU_TR	166.47	0.00

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	624.20	0.00
tblVehicleTrips	WD_TR	470.95	0.00
tblVehicleTrips	WD_TR	112.18	0.00
tblVehicleTrips	WD_TR	106.78	0.00
tblWater	IndoorWaterUseRate	225,794.66	0.00
tblWater	IndoorWaterUseRate	222,217.56	0.00
tblWater	IndoorWaterUseRate	1,032,014.62	0.00
tblWater	IndoorWaterUseRate	819,541.02	0.00
tblWater	IndoorWaterUseRate	2,835,168.94	0.00
tblWater	OutdoorWaterUseRate	138,390.27	0.00
tblWater	OutdoorWaterUseRate	679,144.37	0.00
tblWater	OutdoorWaterUseRate	136,197.86	0.00
tblWater	OutdoorWaterUseRate	65,873.27	0.00
tblWater	OutdoorWaterUseRate	52,311.13	0.00
tblWater	OutdoorWaterUseRate	87,685.64	0.00

2.0 Emissions Summary

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1235	1.0738	1.1161	2.4800e-003	0.1435	0.0487	0.1922	0.0568	0.0457	0.1025	0.0000	221.2442	221.2442	0.0345	8.8000e-003	224.7294
2023	0.2566	1.1630	1.4630	3.0200e-003	0.0851	0.0520	0.1372	0.0229	0.0489	0.0719	0.0000	267.8152	267.8152	0.0432	7.7300e-003	271.1968
Maximum	**0.2566**	**1.1630**	**1.4630**	**3.0200e-003**	**0.1435**	**0.0520**	**0.1922**	**0.0568**	**0.0489**	**0.1025**	**0.0000**	**267.8152**	**267.8152**	**0.0432**	**8.8000e-003**	**271.1968**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0548	0.2923	1.1918	2.4800e-003	0.1007	6.9800e-003	0.1077	0.0353	6.9000e-003	0.0422	0.0000	221.2440	221.2440	0.0345	8.8000e-003	224.7293
2023	0.1809	0.3065	1.5724	3.0200e-003	0.0851	7.6300e-003	0.0928	0.0229	7.5800e-003	0.0305	0.0000	267.8150	267.8150	0.0432	7.7300e-003	271.1966
Maximum	**0.1809**	**0.3065**	**1.5724**	**3.0200e-003**	**0.1007**	**7.6300e-003**	**0.1077**	**0.0353**	**7.5800e-003**	**0.0422**	**0.0000**	**267.8150**	**267.8150**	**0.0432**	**8.8000e-003**	**271.1966**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**37.99**	**73.23**	**-7.17**	**0.00**	**18.70**	**85.50**	**39.14**	**26.92**	**84.70**	**58.29**	**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	**8-1-2022**	**10-31-2022**	0.7480	0.2214
2	**11-1-2022**	**1-31-2023**	0.6350	0.1872
3	**2-1-2023**	**4-30-2023**	0.5750	0.1692
4	**5-1-2023**	**7-31-2023**	0.5228	0.1486
5	**8-1-2023**	**9-30-2023**	0.1184	0.1069
		Highest	0.7480	0.2214

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	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	95.3852	95.3852	5.0700e-003	1.3500e-003	95.9131
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9500e-003**	**0.0420**	**0.0353**	**2.5000e-004**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**95.3852**	**95.3852**	**5.0700e-003**	**1.3500e-003**	**95.9131**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	95.3852	95.3852	5.0700e-003	1.3500e-003	95.9131
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9500e-003**	**0.0420**	**0.0353**	**2.5000e-004**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**95.3852**	**95.3852**	**5.0700e-003**	**1.3500e-003**	**95.9131**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/5/2022	5	5	
2	Grading	Grading	8/6/2022	8/17/2022	5	8	
3	Building Construction	Building Construction	8/18/2022	7/5/2023	5	230	

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	7/6/2023	7/31/2023	5	18	
5	Architectural Coating	Architectural Coating	8/1/2023	8/24/2023	5	18	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 3.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 51,752; Non-Residential Outdoor: 17,251; Striped Parking Area: 8,494 (Architectural Coating – sqft)

OffRoad Equipment

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

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	14.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	637.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	82.00	33.00	18.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	16.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	2.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274
Total	**7.9300e-003**	**0.0827**	**0.0492**	**1.0000e-004**	**0.0491**	**4.0300e-003**	**0.0532**	**0.0253**	**3.7100e-003**	**0.0290**	**0.0000**	**8.3599**	**8.3599**	**2.7000e-003**	**0.0000**	**8.4274**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0900e-003	2.1000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4153	0.4153	0.0000	7.0000e-005	0.4349
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.8000e-004	1.9600e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4530	0.4530	1.0000e-005	1.0000e-005	0.4576
Total	**2.5000e-004**	**1.2700e-003**	**2.1700e-003**	**0.0000**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**1.8000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**0.8684**	**0.8684**	**1.0000e-005**	**8.0000e-005**	**0.8925**

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					0.0221	0.0000	0.0221	0.0114	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1600e-003	5.0400e-003	0.0522	1.0000e-004		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274
Total	**1.1600e-003**	**5.0400e-003**	**0.0522**	**1.0000e-004**	**0.0221**	**1.6000e-004**	**0.0223**	**0.0114**	**1.6000e-004**	**0.0115**	**0.0000**	**8.3598**	**8.3598**	**2.7000e-003**	**0.0000**	**8.4274**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0900e-003	2.1000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4153	0.4153	0.0000	7.0000e-005	0.4349
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.8000e-004	1.9600e-003	0.0000	5.6000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4530	0.4530	1.0000e-005	1.0000e-005	0.4576
Total	**2.5000e-004**	**1.2700e-003**	**2.1700e-003**	**0.0000**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**1.8000e-004**	**1.0000e-005**	**1.9000e-004**	**0.0000**	**0.8684**	**0.8684**	**1.0000e-005**	**8.0000e-005**	**0.8925**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0286	0.0000	0.0286	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	**7.7900e-003**	**0.0834**	**0.0611**	**1.2000e-004**	**0.0286**	**3.7600e-003**	**0.0324**	**0.0137**	**3.4600e-003**	**0.0172**	**0.0000**	**10.4219**	**10.4219**	**3.3700e-003**	**0.0000**	**10.5062**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2200e-003	0.0495	9.3400e-003	2.0000e-004	5.4400e-003	4.9000e-004	5.9300e-003	1.5000e-003	4.7000e-004	1.9700e-003	0.0000	18.8981	18.8981	1.1000e-004	2.9700e-003	19.7867
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.4000e-004	2.6200e-003	1.0000e-005	7.4000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6040	0.6040	2.0000e-005	2.0000e-005	0.6101
Total	**1.5200e-003**	**0.0497**	**0.0120**	**2.1000e-004**	**6.1800e-003**	**4.9000e-004**	**6.6800e-003**	**1.7000e-003**	**4.7000e-004**	**2.1700e-003**	**0.0000**	**19.5021**	**19.5021**	**1.3000e-004**	**2.9900e-003**	**20.3968**

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					0.0129	0.0000	0.0129	6.1800e-003	0.0000	6.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	6.2900e-003	0.0710	1.2000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	**1.4500e-003**	**6.2900e-003**	**0.0710**	**1.2000e-004**	**0.0129**	**1.9000e-004**	**0.0131**	**6.1800e-003**	**1.9000e-004**	**6.3700e-003**	**0.0000**	**10.4219**	**10.4219**	**3.3700e-003**	**0.0000**	**10.5062**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2200e-003	0.0495	9.3400e-003	2.0000e-004	5.4400e-003	4.9000e-004	5.9300e-003	1.5000e-003	4.7000e-004	1.9700e-003	0.0000	18.8981	18.8981	1.1000e-004	2.9700e-003	19.7867
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.4000e-004	2.6200e-003	1.0000e-005	7.4000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6040	0.6040	2.0000e-005	2.0000e-005	0.6101
Total	**1.5200e-003**	**0.0497**	**0.0120**	**2.1000e-004**	**6.1800e-003**	**4.9000e-004**	**6.6800e-003**	**1.7000e-003**	**4.7000e-004**	**2.1700e-003**	**0.0000**	**19.5021**	**19.5021**	**1.3000e-004**	**2.9900e-003**	**20.3968**

3.4 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	0.0828	0.7574	0.7936	1.3100e-003		0.0392	0.0392		0.0369	0.0369	0.0000	112.3867	112.3867	0.0269	0.0000	113.0599
Total	**0.0828**	**0.7574**	**0.7936**	**1.3100e-003**		**0.0392**	**0.0392**		**0.0369**	**0.0369**	**0.0000**	**112.3867**	**112.3867**	**0.0269**	**0.0000**	**113.0599**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.0000e-005	5.9000e-004	1.1000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2252	0.2252	0.0000	4.0000e-005	0.2358
Vendor	3.3300e-003	0.0827	0.0245	3.1000e-004	9.5700e-003	9.2000e-004	0.0105	2.7700e-003	8.8000e-004	3.6500e-003	0.0000	29.4421	29.4421	2.1000e-004	4.4400e-003	30.7706
Worker	0.0199	0.0160	0.1734	4.4000e-004	0.0493	2.6000e-004	0.0495	0.0131	2.4000e-004	0.0133	0.0000	40.0379	40.0379	1.1900e-003	1.2500e-003	40.4402
Total	**0.0232**	**0.0994**	**0.1980**	**7.5000e-004**	**0.0589**	**1.1900e-003**	**0.0601**	**0.0159**	**1.1300e-003**	**0.0170**	**0.0000**	**69.7052**	**69.7052**	**1.4000e-003**	**5.7300e-003**	**71.4467**

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	0.0272	0.1306	0.8565	1.3100e-003		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003	0.0000	112.3866	112.3866	0.0269	0.0000	113.0597
Total	**0.0272**	**0.1306**	**0.8565**	**1.3100e-003**		**4.9400e-003**	**4.9400e-003**		**4.9400e-003**	**4.9400e-003**	**0.0000**	**112.3866**	**112.3866**	**0.0269**	**0.0000**	**113.0597**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.0000e-005	5.9000e-004	1.1000e-004	0.0000	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2252	0.2252	0.0000	4.0000e-005	0.2358
Vendor	3.3300e-003	0.0827	0.0245	3.1000e-004	9.5700e-003	9.2000e-004	0.0105	2.7700e-003	8.8000e-004	3.6500e-003	0.0000	29.4421	29.4421	2.1000e-004	4.4400e-003	30.7706
Worker	0.0199	0.0160	0.1734	4.4000e-004	0.0493	2.6000e-004	0.0495	0.0131	2.4000e-004	0.0133	0.0000	40.0379	40.0379	1.1900e-003	1.2500e-003	40.4402
Total	**0.0232**	**0.0994**	**0.1980**	**7.5000e-004**	**0.0589**	**1.1900e-003**	**0.0601**	**0.0159**	**1.1300e-003**	**0.0170**	**0.0000**	**69.7052**	**69.7052**	**1.4000e-003**	**5.7300e-003**	**71.4467**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1046	0.9566	1.0802	1.7900e-003		0.0465	0.0465		0.0438	0.0438	0.0000	154.1502	154.1502	0.0367	0.0000	155.0669
Total	**0.1046**	**0.9566**	**1.0802**	**1.7900e-003**		**0.0465**	**0.0465**		**0.0438**	**0.0438**	**0.0000**	**154.1502**	**154.1502**	**0.0367**	**0.0000**	**155.0669**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	6.6000e-004	1.4000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2961	0.2961	0.0000	5.0000e-005	0.3100
Vendor	2.3800e-003	0.0920	0.0290	4.1000e-004	0.0131	5.7000e-004	0.0137	3.7900e-003	5.5000e-004	4.3400e-003	0.0000	38.8987	38.8987	1.9000e-004	5.8500e-003	40.6475
Worker	0.0249	0.0191	0.2142	5.8000e-004	0.0675	3.4000e-004	0.0679	0.0180	3.1000e-004	0.0183	0.0000	53.1249	53.1249	1.4400e-003	1.5600e-003	53.6253
Total	**0.0273**	**0.1118**	**0.2434**	**9.9000e-004**	**0.0808**	**9.2000e-004**	**0.0817**	**0.0218**	**8.7000e-004**	**0.0226**	**0.0000**	**92.3197**	**92.3197**	**1.6300e-003**	**7.4600e-003**	**94.5828**

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	0.0358	0.1763	1.1732	1.7900e-003		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	154.1500	154.1500	0.0367	0.0000	155.0667
Total	**0.0358**	**0.1763**	**1.1732**	**1.7900e-003**		**6.1800e-003**	**6.1800e-003**		**6.1800e-003**	**6.1800e-003**	**0.0000**	**154.1500**	**154.1500**	**0.0367**	**0.0000**	**155.0667**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	6.6000e-004	1.4000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2961	0.2961	0.0000	5.0000e-005	0.3100
Vendor	2.3800e-003	0.0920	0.0290	4.1000e-004	0.0131	5.7000e-004	0.0137	3.7900e-003	5.5000e-004	4.3400e-003	0.0000	38.8987	38.8987	1.9000e-004	5.8500e-003	40.6475
Worker	0.0249	0.0191	0.2142	5.8000e-004	0.0675	3.4000e-004	0.0679	0.0180	3.1000e-004	0.0183	0.0000	53.1249	53.1249	1.4400e-003	1.5600e-003	53.6253
Total	**0.0273**	**0.1118**	**0.2434**	**9.9000e-004**	**0.0808**	**9.2000e-004**	**0.0817**	**0.0218**	**8.7000e-004**	**0.0226**	**0.0000**	**92.3197**	**92.3197**	**1.6300e-003**	**7.4600e-003**	**94.5828**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	3.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.0791**	**0.1097**	**1.7000e-004**		**3.9200e-003**	**3.9200e-003**		**3.6200e-003**	**3.6200e-003**	**0.0000**	**14.7407**	**14.7407**	**4.6300e-003**	**0.0000**	**14.8565**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.0200e-003	2.1000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4552	0.4552	0.0000	7.0000e-005	0.4766
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6381	0.6381	0.0000	1.0000e-004	0.6668
Worker	8.2000e-004	6.3000e-004	7.0700e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.7536	1.7536	5.0000e-005	5.0000e-005	1.7701
Total	**8.8000e-004**	**3.1600e-003**	**7.7600e-003**	**3.0000e-005**	**2.5900e-003**	**3.0000e-005**	**2.6100e-003**	**6.9000e-004**	**3.0000e-005**	**7.2000e-004**	**0.0000**	**2.8469**	**2.8469**	**5.0000e-005**	**2.2000e-004**	**2.9135**

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	2.7700e-003	0.0135	0.1260	1.7000e-004		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	3.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.5300e-003**	**0.0135**	**0.1260**	**1.7000e-004**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**14.7407**	**14.7407**	**4.6300e-003**	**0.0000**	**14.8565**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.0200e-003	2.1000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4552	0.4552	0.0000	7.0000e-005	0.4766
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6381	0.6381	0.0000	1.0000e-004	0.6668
Worker	8.2000e-004	6.3000e-004	7.0700e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.7536	1.7536	5.0000e-005	5.0000e-005	1.7701
Total	**8.8000e-004**	**3.1600e-003**	**7.7600e-003**	**3.0000e-005**	**2.5900e-003**	**3.0000e-005**	**2.6100e-003**	**6.9000e-004**	**3.0000e-005**	**7.2000e-004**	**0.0000**	**2.8469**	**2.8469**	**5.0000e-005**	**2.2000e-004**	**2.9135**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	**0.1112**	**0.0117**	**0.0163**	**3.0000e-005**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**	**0.0000**	**2.2979**	**2.2979**	**1.4000e-004**	**0.0000**	**2.3014**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.3000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0569	0.0569	0.0000	1.0000e-005	0.0596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	5.0000e-004	5.6600e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4029	1.4029	4.0000e-005	4.0000e-005	1.4161
Total	**6.6000e-004**	**6.3000e-004**	**5.6900e-003**	**2.0000e-005**	**1.8000e-003**	**1.0000e-005**	**1.8100e-003**	**4.7000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.4598**	**1.4598**	**4.0000e-005**	**5.0000e-005**	**1.4757**

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	0.1095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-004	1.1600e-003	0.0165	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	**0.1098**	**1.1600e-003**	**0.0165**	**3.0000e-005**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**2.2979**	**2.2979**	**1.4000e-004**	**0.0000**	**2.3014**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.3000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0569	0.0569	0.0000	1.0000e-005	0.0596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	5.0000e-004	5.6600e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4029	1.4029	4.0000e-005	4.0000e-005	1.4161
Total	**6.6000e-004**	**6.3000e-004**	**5.6900e-003**	**2.0000e-005**	**1.8000e-003**	**1.0000e-005**	**1.8100e-003**	**4.7000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.4598**	**1.4598**	**4.0000e-005**	**5.0000e-005**	**1.4757**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Convenience Market with Gas Pumps	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	14.70	6.60	6.60	33.00	48.00	19.00	21	51	28
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Convenience Market with Gas	14.70	6.60	6.60	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	14.70	6.60	6.60	2.20	78.80	19.00	29	21	50

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down	14.70	6.60	6.60	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Supermarket	14.70	6.60	6.60	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
City Park	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Convenience Market with Gas Pumps	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Fast Food Restaurant with Drive Thru	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
High Turnover (Sit Down Restaurant)	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Other Non-Asphalt Surfaces	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Parking Lot	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Supermarket	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	49.6319	49.6319	4.1900e-003	5.1000e-004	49.8880
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	49.6319	49.6319	4.1900e-003	5.1000e-004	49.8880
NaturalGas Mitigated	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.7533	45.7533	8.8000e-004	8.4000e-004	46.0252
NaturalGas Unmitigated	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.7533	45.7533	8.8000e-004	8.4000e-004	46.0252

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	39912	2.2000e-004	1.9600e-003	1.6400e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1299	2.1299	4.0000e-005	4.0000e-005	2.1425
City Park	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
Convenience Market with Gas Pumps	16950	9.0000e-005	8.3000e-004	7.0000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.9045	0.9045	2.0000e-005	2.0000e-005	0.9099
Fast Food Restaurant with Drive Thru	336328	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9477	17.9477	3.4000e-004	3.3000e-004	18.0544
High Turnover (Sit Down Restaurant)	267084	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2526	14.2526	2.7000e-004	2.6000e-004	14.3373
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	197110	1.0600e-003	9.6600e-003	8.1200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5185	10.5185	2.0000e-004	1.9000e-004	10.5811
Total		**4.6200e-003**	**0.0420**	**0.0353**	**2.5000e-004**		**3.1900e-003**	**3.1900e-003**		**3.1900e-003**	**3.1900e-003**	**0.0000**	**45.7533**	**45.7533**	**8.7000e-004**	**8.4000e-004**	**46.0252**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	39912	2.2000e-004	1.9600e-003	1.6400e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1299	2.1299	4.0000e-005	4.0000e-005	2.1425
City Park	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
Convenience Market with Gas Pumps	16950	9.0000e-005	8.3000e-004	7.0000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.9045	0.9045	2.0000e-005	2.0000e-005	0.9099
Fast Food Restaurant with Drive Thru	336328	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9477	17.9477	3.4000e-004	3.3000e-004	18.0544
High Turnover (Sit Down Restaurant)	267084	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2526	14.2526	2.7000e-004	2.6000e-004	14.3373
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	197110	1.0600e-003	9.6600e-003	8.1200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5185	10.5185	2.0000e-004	1.9000e-004	10.5811
Total		**4.6200e-003**	**0.0420**	**0.0353**	**2.5000e-004**		**3.1900e-003**	**3.1900e-003**		**3.1900e-003**	**3.1900e-003**	**0.0000**	**45.7533**	**45.7533**	**8.7000e-004**	**8.4000e-004**	**46.0252**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	1560	0.2767	2.0000e-005	0.0000	0.2781
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	13590	2.4101	2.0000e-004	2.0000e-005	2.4226
Fast Food Restaurant with Drive Thru	17136	3.0390	2.6000e-004	3.0000e-005	3.0547
High Turnover (Sit Down Restaurant)	13608	2.4133	2.0000e-004	2.0000e-005	2.4258
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	43756	7.7599	6.5000e-004	8.0000e-005	7.8000
Supermarket	190210	33.7329	2.8500e-003	3.5000e-004	33.9069
Total		**49.6319**	**4.1800e-003**	**5.0000e-004**	**49.8880**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	1560	0.2767	2.0000e-005	0.0000	0.2781
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	13590	2.4101	2.0000e-004	2.0000e-005	2.4226
Fast Food Restaurant with Drive Thru	17136	3.0390	2.6000e-004	3.0000e-005	3.0547
High Turnover (Sit Down Restaurant)	13608	2.4133	2.0000e-004	2.0000e-005	2.4258
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	43756	7.7599	6.5000e-004	8.0000e-005	7.8000
Supermarket	190210	33.7329	2.8500e-003	3.5000e-004	33.9069
Total		**49.6319**	**4.1800e-003**	**5.0000e-004**	**49.8880**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3200e-003**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3200e-003**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Mitigated Construction - Commercial Development Component - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023)

Tulare County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	20.00	1000sqft	0.46	20,000.00	0
Apartments Low Rise	48.00	Dwelling Unit	2.24	85,500.00	137

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 48 dwelling units (building square footage increased compared to default values based on project-specific information provided in the site plan)
Additional building to account for amenities and leasing office
2.70 acres

Construction Phase - Operational run only (construction assessed separately)

Off-road Equipment - Operational run only (zeroed out construction equipment usage)

Trips and VMT - Operational run only

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - ITE Trip Generation Manual, 11th Edition rates for the ITE Land Use 220, consistent with the project-specific traffic study.
Second building is used to represent on-site amenities for residents and would not generate additional trips.

Woodstoves - SJVAPCD Rule 4901 Woodburning

Area Coating - Rule 4601 Architectural Coatings

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Area Mitigation - Rule 4601 Architectural Coatings, building code standards (outside outlets), and no woodburning fireplaces (only natural gas hearth)

Energy Mitigation -

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Fleet Mix - SJVAPCD-approved Residential Fleet Mix (2023 operational year mix)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	50
tblConstructionPhase	NumDays	10.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.50	0.53
tblFleetMix	LDT1	0.05	0.21
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LHD1	0.03	1.1000e-003
tblFleetMix	LHD2	8.2580e-003	9.0000e-004
tblFleetMix	MCY	0.02	2.5000e-003
tblFleetMix	MDV	0.18	0.06
tblFleetMix	MH	3.7510e-003	1.9000e-003
tblFleetMix	MHD	0.01	8.5000e-003
tblFleetMix	OBUS	6.4600e-004	0.00
tblFleetMix	SBUS	1.5020e-003	4.0000e-004
tblFleetMix	UBUS	4.7100e-004	4.3000e-003

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	48,000.00	85,500.00
tblLandUse	LotAcreage	3.00	2.24
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	9.00	0.00
tblVehicleTrips	ST_TR	8.14	4.55
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.28	3.86
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	7.32	6.74
tblVehicleTrips	WD_TR	32.93	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5098	0.0221	0.3643	1.3000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	21.3765	21.3765	9.6000e-004	3.8000e-004	21.5141
Energy	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	102.3599	102.3599	4.7900e-003	1.5300e-003	102.9343
Mobile	0.1106	0.2265	1.3855	3.7300e-003	0.3860	2.8100e-003	0.3888	0.1030	2.6200e-003	0.1056	0.0000	347.1977	347.1977	0.0193	0.0174	352.8690
Waste						0.0000	0.0000		0.0000	0.0000	27.6230	0.0000	27.6230	1.6325	0.0000	68.4348
Water						0.0000	0.0000		0.0000	0.0000	1.3675	5.8100	7.1774	0.1409	3.3800e-003	11.7069
Total	**0.6264**	**0.3006**	**1.7787**	**4.1900e-003**	**0.3860**	**0.0104**	**0.3964**	**0.1030**	**0.0102**	**0.1131**	**28.9905**	**476.7441**	**505.7346**	**1.7985**	**0.0227**	**557.4591**

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.4561	0.0220	0.3617	1.3000e-004		3.4100e-003	3.4100e-003		3.4100e-003	3.4100e-003	0.0000	21.3713	21.3713	9.5000e-004	3.8000e-004	21.5086
Energy	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	102.3599	102.3599	4.7900e-003	1.5300e-003	102.9343
Mobile	0.1106	0.2265	1.3855	3.7300e-003	0.3860	2.8100e-003	0.3888	0.1030	2.6200e-003	0.1056	0.0000	347.1977	347.1977	0.0193	0.0174	352.8690
Waste						0.0000	0.0000		0.0000	0.0000	27.6230	0.0000	27.6230	1.6325	0.0000	68.4348
Water						0.0000	0.0000		0.0000	0.0000	1.0940	4.6480	5.7420	0.1128	2.7000e-003	9.3655
Total	**0.5727**	**0.3005**	**1.7761**	**4.1900e-003**	**0.3860**	**0.0103**	**0.3964**	**0.1030**	**0.0102**	**0.1131**	**28.7170**	**475.5769**	**504.2938**	**1.7703**	**0.0220**	**555.1122**

	ROG	NOx	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	**8.57**	**0.01**	**0.14**	**0.00**	**0.00**	**0.19**	**0.01**	**0.00**	**0.20**	**0.02**	**0.94**	**0.24**	**0.28**	**1.57**	**3.00**	**0.42**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	8/1/2022	7/31/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 173,138; Residential Outdoor: 57,713; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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**

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

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

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1106	0.2265	1.3855	3.7300e-003	0.3860	2.8100e-003	0.3888	0.1030	2.6200e-003	0.1056	0.0000	347.1977	347.1977	0.0193	0.0174	352.8690
Unmitigated	0.1106	0.2265	1.3855	3.7300e-003	0.3860	2.8100e-003	0.3888	0.1030	2.6200e-003	0.1056	0.0000	347.1977	347.1977	0.0193	0.0174	352.8690

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	323.52	218.40	185.28	1,039,179	1,039,179
Health Club	0.00	0.00	0.00		
Total	323.52	218.40	185.28	1,039,179	1,039,179

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	16.80	7.10	7.90	38.40	22.60	39.00	86	11	3
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.530500	0.205800	0.167300	0.055000	0.001100	0.000900	0.008500	0.021800	0.000000	0.004300	0.002500	0.000400	0.001900
Health Club	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	43.3194	43.3194	3.6600e-003	4.4000e-004	43.5429
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	43.3194	43.3194	3.6600e-003	4.4000e-004	43.5429
NaturalGas Mitigated	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	59.0405	59.0405	1.1300e-003	1.0800e-003	59.3914
NaturalGas Unmitigated	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	59.0405	59.0405	1.1300e-003	1.0800e-003	59.3914

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	773777	4.1700e-003	0.0357	0.0152	2.3000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	41.2917	41.2917	7.9000e-004	7.6000e-004	41.5371
Health Club	332600	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7488	17.7488	3.4000e-004	3.3000e-004	17.8543
Total		**5.9600e-003**	**0.0520**	**0.0289**	**3.3000e-004**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**59.0405**	**59.0405**	**1.1300e-003**	**1.0900e-003**	**59.3914**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	773777	4.1700e-003	0.0357	0.0152	2.3000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	41.2917	41.2917	7.9000e-004	7.6000e-004	41.5371
Health Club	332600	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7488	17.7488	3.4000e-004	3.3000e-004	17.8543
Total		**5.9600e-003**	**0.0520**	**0.0289**	**3.3000e-004**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**59.0405**	**59.0405**	**1.1300e-003**	**1.0900e-003**	**59.3914**

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	197866	35.0906	2.9600e-003	3.6000e-004	35.2716
Health Club	46400	8.2288	6.9000e-004	8.0000e-005	8.2713
Total		**43.3194**	**3.6500e-003**	**4.4000e-004**	**43.5429**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	197866	35.0906	2.9600e-003	3.6000e-004	35.2716
Health Club	46400	8.2288	6.9000e-004	8.0000e-005	8.2713
Total		**43.3194**	**3.6500e-003**	**4.4000e-004**	**43.5429**

6.0 Area Detail

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4561	0.0220	0.3617	1.3000e-004		3.4100e-003	3.4100e-003		3.4100e-003	3.4100e-003	0.0000	21.3713	21.3713	9.5000e-004	3.8000e-004	21.5086
Unmitigated	0.5098	0.0221	0.3643	1.3000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	21.3765	21.3765	9.6000e-004	3.8000e-004	21.5141

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4120					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1000e-003	0.0180	7.6400e-003	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7940	20.7940	4.0000e-004	3.8000e-004	20.9175
Landscaping	0.0108	4.1100e-003	0.3567	2.0000e-005		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	0.5825	0.5825	5.6000e-004	0.0000	0.5966
Total	**0.5098**	**0.0221**	**0.3643**	**1.3000e-004**		**3.4200e-003**	**3.4200e-003**		**3.4200e-003**	**3.4200e-003**	**0.0000**	**21.3765**	**21.3765**	**9.6000e-004**	**3.8000e-004**	**21.5141**

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4120					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1000e-003	0.0180	7.6400e-003	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.7940	20.7940	4.0000e-004	3.8000e-004	20.9175
Landscaping	0.0106	4.0900e-003	0.3541	2.0000e-005		1.9600e-003	1.9600e-003		1.9600e-003	1.9600e-003	0.0000	0.5773	0.5773	5.5000e-004	0.0000	0.5911
Total	**0.4561**	**0.0221**	**0.3617**	**1.3000e-004**		**3.4100e-003**	**3.4100e-003**		**3.4100e-003**	**3.4100e-003**	**0.0000**	**21.3712**	**21.3712**	**9.5000e-004**	**3.8000e-004**	**21.5086**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7420	0.1128	2.7000e-003	9.3655
Unmitigated	7.1774	0.1409	3.3800e-003	11.7069

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	3.12739 / 1.97162	5.2171	0.1023	2.4500e-003	8.5036
Health Club	1.18286 / 0.72498	1.9604	0.0387	9.3000e-004	3.2033
Total		**7.1775**	**0.1409**	**3.3800e-003**	**11.7069**

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	2.50191 / 1.57729	4.1737	0.0818	1.9600e-003	6.8029
Health Club	0.94629 / 0.579984	1.5683	0.0309	7.4000e-004	2.5627
Total		**5.7420**	**0.1128**	**2.7000e-003**	**9.3655**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.6230	1.6325	0.0000	68.4348
Unmitigated	27.6230	1.6325	0.0000	68.4348

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	22.08	4.4820	0.2649	0.0000	11.1041
Health Club	114	23.1410	1.3676	0.0000	57.3308
Total		**27.6230**	**1.6325**	**0.0000**	**68.4348**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	22.08	4.4820	0.2649	0.0000	11.1041
Health Club	114	23.1410	1.3676	0.0000	57.3308
Total		**27.6230**	**1.6325**	**0.0000**	**68.4348**

9.0 Operational Offroad

Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023)

Tulare County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.38	Acre	0.38	16,552.80	0
Parking Lot	2.87	Acre	2.87	125,017.20	0
City Park	0.57	Acre	0.57	24,829.20	0
Fast Food Restaurant with Drive Thru	3.40	1000sqft	0.08	3,400.00	0
High Turnover (Sit Down Restaurant)	2.70	1000sqft	0.06	2,700.00	0
Automobile Care Center	2.40	1000sqft	0.06	2,400.00	0
Convenience Market with Gas Pumps	3.00	1000sqft	0.13	3,000.00	0
Supermarket	23.00	1000sqft	0.53	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Commercial Development Component (non-residential uses)

Land Use - Commercial land uses based on information provided in the project description, traffic study, and project site plan.
Gross acreage for commercial component: 4.68 acres

Construction Phase - Operational run only (construction assessed separately)

Trips and VMT - Operational run only

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading -

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Construction Off-road Equipment Mitigation -

Off-road Equipment - Operational run only (zeroed out construction equipment)

Vehicle Trips - Trip generation consistent with the project-specific traffic study.
Where applicable, Saturday and Sunday trip rates based on the ITE Trip Generation Manual, 11th Ed. rates. ITE trip rates consistent with source used for the traffic study.

Area Coating - SJVAPCD Rule 4601 Architectural Coatings

Area Mitigation - Rule 4601 Architectural Coatings and building code standards (outside outlets)

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	50
tblConstructionPhase	NumDays	18.00	1.00
tblLandUse	LotAcreage	0.07	0.13
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	16.00	0.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	624.20	467.33
tblVehicleTrips	ST_TR	177.62	112.76
tblVehicleTrips	SU_TR	11.88	0.00

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	624.20	467.33
tblVehicleTrips	SU_TR	166.47	102.42
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	624.20	467.33
tblVehicleTrips	WD_TR	470.95	467.65
tblVehicleTrips	WD_TR	112.18	107.41
tblVehicleTrips	WD_TR	106.78	93.84

2.0 Emissions Summary

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2023	0.1095	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.1095**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1095	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.1095**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
5	8-1-2023	9-30-2023	0.0782	0.0782
		Highest	0.0782	0.0782

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	0.1551	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.8000e-004	6.8000e-004	0.0000	0.0000	7.3000e-004
Energy	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	246.8046	246.8046	0.0179	2.9000e-003	248.1137
Mobile	2.1889	2.2289	12.9316	0.0205	1.8391	0.0200	1.8591	0.4923	0.0187	0.5110	0.0000	1,898.4377	1,898.4377	0.1942	0.1422	1,945.6578
Waste						0.0000	0.0000		0.0000	0.0000	44.5058	0.0000	44.5058	2.6302	0.0000	110.2612
Water						0.0000	0.0000		0.0000	0.0000	1.6290	5.6472	7.2762	0.1678	4.0100e-003	12.6655
Total	**2.3487**	**2.2709**	**12.9672**	**0.0208**	**1.8391**	**0.0232**	**1.8623**	**0.4923**	**0.0219**	**0.5142**	**46.1348**	**2,150.8901**	**2,197.0249**	**3.0101**	**0.1491**	**2,316.6989**

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1551	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.8000e-004	6.8000e-004	0.0000	0.0000	7.2000e-004
Energy	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	246.8046	246.8046	0.0179	2.9000e-003	248.1137
Mobile	2.1889	2.2289	12.9316	0.0205	1.8391	0.0200	1.8591	0.4923	0.0187	0.5110	0.0000	1,898.4377	1,898.4377	0.1942	0.1422	1,945.6578
Waste						0.0000	0.0000		0.0000	0.0000	44.5058	0.0000	44.5058	2.6302	0.0000	110.2612
Water						0.0000	0.0000		0.0000	0.0000	1.3032	4.5177	5.8209	0.1342	3.2100e-003	10.1324
Total	**2.3487**	**2.2709**	**12.9672**	**0.0208**	**1.8391**	**0.0232**	**1.8623**	**0.4923**	**0.0219**	**0.5142**	**45.8090**	**2,149.7607**	**2,195.5697**	**2.9765**	**0.1483**	**2,314.1658**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.71**	**0.05**	**0.07**	**1.11**	**0.54**	**0.11**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	8/1/2023	8/1/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 51,752; Non-Residential Outdoor: 17,251; Striped Parking Area: 8,494 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1095**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2023

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1095**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2023

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1889	2.2289	12.9316	0.0205	1.8391	0.0200	1.8591	0.4923	0.0187	0.5110	0.0000	1,898.4377	1,898.4377	0.1942	0.1422	1,945.6578
Unmitigated	2.1889	2.2289	12.9316	0.0205	1.8391	0.0200	1.8591	0.4923	0.0187	0.5110	0.0000	1,898.4377	1,898.4377	0.1942	0.1422	1,945.6578

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Convenience Market with Gas Pumps	1,401.99	1,402.00	1402.00	687,905	687,905
Fast Food Restaurant with Drive Thru	1,590.00	2,094.81	1606.77	1,436,870	1,436,870
High Turnover (Sit Down Restaurant)	290.00	330.48	385.13	349,566	349,566
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Supermarket	2,158.32	2,593.48	2355.66	2,450,233	2,450,233
Total	5,440.31	6,420.77	5,749.56	4,924,574	4,924,574

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	14.70	6.60	6.60	33.00	48.00	19.00	21	51	28
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Convenience Market with Gas	14.70	6.60	6.60	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	14.70	6.60	6.60	2.20	78.80	19.00	29	21	50

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down	14.70	6.60	6.60	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Supermarket	14.70	6.60	6.60	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
City Park	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Convenience Market with Gas Pumps	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Fast Food Restaurant with Drive Thru	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
High Turnover (Sit Down Restaurant)	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Other Non-Asphalt Surfaces	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Parking Lot	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Supermarket	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	201.0513	201.0513	0.0170	2.0600e-003	202.0885
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	201.0513	201.0513	0.0170	2.0600e-003	202.0885
NaturalGas Mitigated	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.7533	45.7533	8.8000e-004	8.4000e-004	46.0252
NaturalGas Unmitigated	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.7533	45.7533	8.8000e-004	8.4000e-004	46.0252

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	39912	2.2000e-004	1.9600e-003	1.6400e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1299	2.1299	4.0000e-005	4.0000e-005	2.1425
City Park	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
Convenience Market with Gas Pumps	16950	9.0000e-005	8.3000e-004	7.0000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.9045	0.9045	2.0000e-005	2.0000e-005	0.9099
Fast Food Restaurant with Drive Thru	336328	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9477	17.9477	3.4000e-004	3.3000e-004	18.0544
High Turnover (Sit Down Restaurant)	267084	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2526	14.2526	2.7000e-004	2.6000e-004	14.3373
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	197110	1.0600e-003	9.6600e-003	8.1200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5185	10.5185	2.0000e-004	1.9000e-004	10.5811
Total		**4.6200e-003**	**0.0420**	**0.0353**	**2.5000e-004**		**3.1900e-003**	**3.1900e-003**		**3.1900e-003**	**3.1900e-003**	**0.0000**	**45.7533**	**45.7533**	**8.7000e-004**	**8.4000e-004**	**46.0252**

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	39912	2.2000e-004	1.9600e-003	1.6400e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1299	2.1299	4.0000e-005	4.0000e-005	2.1425
City Park	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
Convenience Market with Gas Pumps	16950	9.0000e-005	8.3000e-004	7.0000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.9045	0.9045	2.0000e-005	2.0000e-005	0.9099
Fast Food Restaurant with Drive Thru	336328	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9477	17.9477	3.4000e-004	3.3000e-004	18.0544
High Turnover (Sit Down Restaurant)	267084	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2526	14.2526	2.7000e-004	2.6000e-004	14.3373
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	197110	1.0600e-003	9.6600e-003	8.1200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5185	10.5185	2.0000e-004	1.9000e-004	10.5811
Total		**4.6200e-003**	**0.0420**	**0.0353**	**2.5000e-004**		**3.1900e-003**	**3.1900e-003**		**3.1900e-003**	**3.1900e-003**	**0.0000**	**45.7533**	**45.7533**	**8.7000e-004**	**8.4000e-004**	**46.0252**

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	5568	0.9875	8.0000e-005	1.0000e-005	0.9926
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	29520	5.2352	4.4000e-004	5.0000e-005	5.2623
Fast Food Restaurant with Drive Thru	111044	19.6932	1.6600e-003	2.0000e-004	19.7948
High Turnover (Sit Down Restaurant)	88182	15.6387	1.3200e-003	1.6000e-004	15.7194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	43756	7.7599	6.5000e-004	8.0000e-005	7.8000
Supermarket	855600	151.7369	0.0128	1.5500e-003	152.5196
Total		**201.0513**	**0.0170**	**2.0500e-003**	**202.0885**

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	5568	0.9875	8.0000e-005	1.0000e-005	0.9926
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	29520	5.2352	4.4000e-004	5.0000e-005	5.2623
Fast Food Restaurant with Drive Thru	111044	19.6932	1.6600e-003	2.0000e-004	19.7948
High Turnover (Sit Down Restaurant)	88182	15.6387	1.3200e-003	1.6000e-004	15.7194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	43756	7.7599	6.5000e-004	8.0000e-005	7.8000
Supermarket	855600	151.7369	0.0128	1.5500e-003	152.5196
Total		**201.0513**	**0.0170**	**2.0500e-003**	**202.0885**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1551	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.8000e-004	6.8000e-004	0.0000	0.0000	7.2000e-004
Unmitigated	0.1551	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.8000e-004	6.8000e-004	0.0000	0.0000	7.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1441					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.8000e-004	6.8000e-004	0.0000	0.0000	7.3000e-004
Total	**0.1551**	**0.0000**	**3.5000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.8000e-004**	**6.8000e-004**	**0.0000**	**0.0000**	**7.3000e-004**

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1441					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.8000e-004	6.8000e-004	0.0000	0.0000	7.2000e-004
Total	**0.1551**	**0.0000**	**3.5000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.8000e-004**	**6.8000e-004**	**0.0000**	**0.0000**	**7.2000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.8209	0.1342	3.2100e-003	10.1324
Unmitigated	7.2762	0.1678	4.0100e-003	12.6655

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.225795 / 0.13839	0.3742	7.3800e-003	1.8000e-004	0.6115
City Park	0 / 0.679144	0.4216	4.0000e-005	0.0000	0.4237
Convenience Market with Gas Pumps	0.222218 / 0.136198	0.3683	7.2700e-003	1.7000e-004	0.6018
Fast Food Restaurant with Drive Thru	1.03201 / 0.0658733	1.3586	0.0337	8.0000e-004	2.4413
High Turnover (Sit Down Restaurant)	0.819541 / 0.0523111	1.0789	0.0268	6.4000e-004	1.9387
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	2.83517 / 0.0876856	3.6746	0.0926	2.2100e-003	6.6485
Total		**7.2762**	**0.1678**	**4.0000e-003**	**12.6655**

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.180636 / 0.110712	0.2994	5.9100e-003	1.4000e-004	0.4892
City Park	0 / 0.543315	0.3372	3.0000e-005	0.0000	0.3390
Convenience Market with Gas Pumps	0.177774 / 0.108958	0.2946	5.8100e-003	1.4000e-004	0.4814
Fast Food Restaurant with Drive Thru	0.825612 / 0.0526986	1.0869	0.0270	6.4000e-004	1.9530
High Turnover (Sit Down Restaurant)	0.655633 / 0.0418489	0.8631	0.0214	5.1000e-004	1.5509
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	2.26814 / 0.0701485	2.9397	0.0741	1.7700e-003	5.3188
Total		**5.8209**	**0.1342**	**3.2000e-003**	**10.1324**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	44.5058	2.6302	0.0000	110.2612
Unmitigated	44.5058	2.6302	0.0000	110.2612

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	9.17	1.8614	0.1100	0.0000	4.6116
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
Convenience Market with Gas Pumps	9.02	1.8310	0.1082	0.0000	4.5362
Fast Food Restaurant with Drive Thru	39.16	7.9491	0.4698	0.0000	19.6936
High Turnover (Sit Down Restaurant)	32.13	6.5221	0.3855	0.0000	16.1582
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	129.72	26.3320	1.5562	0.0000	65.2364
Total		**44.5058**	**2.6302**	**0.0000**	**110.2612**

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	9.17	1.8614	0.1100	0.0000	4.6116
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
Convenience Market with Gas Pumps	9.02	1.8310	0.1082	0.0000	4.5362
Fast Food Restaurant with Drive Thru	39.16	7.9491	0.4698	0.0000	19.6936
High Turnover (Sit Down Restaurant)	32.13	6.5221	0.3855	0.0000	16.1582
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	129.72	26.3320	1.5562	0.0000	65.2364
Total		**44.5058**	**2.6302**	**0.0000**	**110.2612**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Multi-family Residential Construction Localized Assessment (On-site)

Tulare County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	20.00	1000sqft	0.46	20,000.00	0
Apartments Low Rise	48.00	Dwelling Unit	2.24	85,500.00	137

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Unmitigated Construction - Multi-family Residential Component (On-site)

Land Use - 48 dwelling units (building square footage increased compared to default values based on project-specific information provided in the site plan)
Additional building to account for amenities and leasing office
2.70 acres

Construction Phase - No demolition

Trips and VMT - Localized Assessment (On-site Emissions)
Construction trip length adjusted to 0.25 mi

Grading - Site relatively flat - cut/fill expected to balance on site

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Consumer Products - Construction only run

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Area Coating - SJVAPCD Rule 4601 Architectural Coatings

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII

Area Mitigation - Construction run only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24E	1.31	0.00
tblEnergyUse	T24E	139.08	0.00
tblEnergyUse	T24E	0.36	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	26.40	0.00
tblLandscapeEquipment	NumberSummerDays	180	1

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	48,000.00	85,500.00
tblLandUse	LotAcreage	3.00	2.24
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	22.08	0.00
tblSolidWaste	SolidWasteGenerationRate	114.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.28	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	0.00
tblWater	IndoorWaterUseRate	1,182,862.88	0.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	724,980.48	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1046	0.8193	0.7855	1.3800e-003	0.0242	0.0386	0.0628	0.0107	0.0369	0.0476	0.0000	115.2259	115.2259	0.0234	2.9000e-004	115.8980
2023	0.4258	0.8688	0.9342	1.6100e-003	6.5000e-004	0.0391	0.0397	1.8000e-004	0.0374	0.0376	0.0000	134.5959	134.5959	0.0263	3.4000e-004	135.3551
Maximum	**0.4258**	**0.8688**	**0.9342**	**1.6100e-003**	**0.0242**	**0.0391**	**0.0628**	**0.0107**	**0.0374**	**0.0476**	**0.0000**	**134.5959**	**134.5959**	**0.0263**	**3.4000e-004**	**135.3551**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1046	0.8193	0.7855	1.3800e-003	0.0112	0.0386	0.0498	4.8900e-003	0.0369	0.0418	0.0000	115.2257	115.2257	0.0234	2.9000e-004	115.8979
2023	0.4258	0.8688	0.9342	1.6100e-003	6.5000e-004	0.0391	0.0397	1.8000e-004	0.0374	0.0376	0.0000	134.5958	134.5958	0.0263	3.4000e-004	135.3549
Maximum	**0.4258**	**0.8688**	**0.9342**	**1.6100e-003**	**0.0112**	**0.0391**	**0.0498**	**4.8900e-003**	**0.0374**	**0.0418**	**0.0000**	**134.5958**	**134.5958**	**0.0263**	**3.4000e-004**	**135.3549**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**52.38**	**0.00**	**12.68**	**53.31**	**0.00**	**6.80**	**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	**8-1-2022**	**10-31-2022**	0.5544	0.5544
2	**11-1-2022**	**1-31-2023**	0.5355	0.5355
3	**2-1-2023**	**4-30-2023**	0.4944	0.4944
4	**5-1-2023**	**7-31-2023**	0.6253	0.6253
		Highest	0.6253	0.6253

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	0.0334	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2400e-003	3.2400e-003	0.0000	0.0000	3.3100e-003
Energy	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	68.2443	68.2443	1.9100e-003	1.1800e-003	68.6426
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0393**	**0.0520**	**0.0309**	**3.3000e-004**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**68.2475**	**68.2475**	**1.9100e-003**	**1.1800e-003**	**68.6459**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0334	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2100e-003	3.2100e-003	0.0000	0.0000	3.2800e-003
Energy	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	68.2443	68.2443	1.9100e-003	1.1800e-003	68.6426
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0393**	**0.0520**	**0.0308**	**3.3000e-004**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**4.1300e-003**	**4.1300e-003**	**0.0000**	**68.2475**	**68.2475**	**1.9100e-003**	**1.1800e-003**	**68.6459**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/3/2022	5	3	
2	Grading	Grading	8/4/2022	8/11/2022	5	6	
3	Building Construction	Building Construction	8/12/2022	6/15/2023	5	220	

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	6/16/2023	6/29/2023	5	10	
5	Architectural Coating	Architectural Coating	6/30/2023	7/13/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

Residential Indoor: 173,138; Residential Outdoor: 57,713; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3	8.00	0.00	6.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	8.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Building Construction	8	43.00	8.00	16.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	12.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	2.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**2.0700e-003**	**0.0235**	**0.0151**	**4.0000e-005**	**2.3900e-003**	**8.9000e-004**	**3.2800e-003**	**2.6000e-004**	**8.2000e-004**	**1.0800e-003**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	6.0000e-005	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0107	0.0107	0.0000	0.0000	0.0112
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.9600e-003	3.9600e-003	0.0000	0.0000	4.2400e-003
Total	**2.0000e-005**	**7.0000e-005**	**1.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0146**	**0.0146**	**0.0000**	**0.0000**	**0.0154**

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					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**2.0700e-003**	**0.0235**	**0.0151**	**4.0000e-005**	**1.0700e-003**	**8.9000e-004**	**1.9600e-003**	**1.2000e-004**	**8.2000e-004**	**9.4000e-004**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	6.0000e-005	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0107	0.0107	0.0000	0.0000	0.0112
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.9600e-003	3.9600e-003	0.0000	0.0000	4.2400e-003
Total	**2.0000e-005**	**7.0000e-005**	**1.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0146**	**0.0146**	**0.0000**	**0.0000**	**0.0154**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**4.6200e-003**	**0.0510**	**0.0277**	**6.0000e-005**	**0.0213**	**2.2300e-003**	**0.0235**	**0.0103**	**2.0500e-003**	**0.0123**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	9.0000e-005	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0142	0.0142	0.0000	0.0000	0.0149
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	5.0000e-005	2.0000e-005	1.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.9100e-003	9.9100e-003	0.0000	0.0000	0.0106
Total	**5.0000e-005**	**1.1000e-004**	**2.5000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0241**	**0.0241**	**0.0000**	**0.0000**	**0.0255**

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					9.5600e-003	0.0000	9.5600e-003	4.6200e-003	0.0000	4.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**4.6200e-003**	**0.0510**	**0.0277**	**6.0000e-005**	**9.5600e-003**	**2.2300e-003**	**0.0118**	**4.6200e-003**	**2.0500e-003**	**6.6700e-003**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	9.0000e-005	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0142	0.0142	0.0000	0.0000	0.0149
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	5.0000e-005	2.0000e-005	1.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.9100e-003	9.9100e-003	0.0000	0.0000	0.0106
Total	**5.0000e-005**	**1.1000e-004**	**2.5000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0241**	**0.0241**	**0.0000**	**0.0000**	**0.0255**

3.4 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	0.0937	0.7375	0.7248	1.2600e-003		0.0355	0.0355		0.0340	0.0340	0.0000	104.8785	104.8785	0.0202	0.0000	105.3843
Total	**0.0937**	**0.7375**	**0.7248**	**1.2600e-003**		**0.0355**	**0.0355**		**0.0340**	**0.0340**	**0.0000**	**104.8785**	**104.8785**	**0.0202**	**0.0000**	**105.3843**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	8.0000e-005	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0130	0.0130	0.0000	0.0000	0.0137
Vendor	3.0000e-004	5.6600e-003	3.8800e-003	1.0000e-005	1.0000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.9156	0.9156	2.0000e-005	1.4000e-004	0.9585
Worker	3.8300e-003	1.4500e-003	0.0136	1.0000e-005	4.2000e-004	1.0000e-005	4.3000e-004	1.1000e-004	1.0000e-005	1.3000e-004	0.0000	0.7172	0.7172	3.2000e-004	1.4000e-004	0.7678
Total	**4.1300e-003**	**7.1900e-003**	**0.0175**	**2.0000e-005**	**5.2000e-004**	**2.0000e-005**	**5.5000e-004**	**1.4000e-004**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**1.6458**	**1.6458**	**3.4000e-004**	**2.8000e-004**	**1.7399**

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	0.0937	0.7375	0.7248	1.2600e-003		0.0355	0.0355		0.0340	0.0340	0.0000	104.8783	104.8783	0.0202	0.0000	105.3842
Total	**0.0937**	**0.7375**	**0.7248**	**1.2600e-003**		**0.0355**	**0.0355**		**0.0340**	**0.0340**	**0.0000**	**104.8783**	**104.8783**	**0.0202**	**0.0000**	**105.3842**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	8.0000e-005	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0130	0.0130	0.0000	0.0000	0.0137
Vendor	3.0000e-004	5.6600e-003	3.8800e-003	1.0000e-005	1.0000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.9156	0.9156	2.0000e-005	1.4000e-004	0.9585
Worker	3.8300e-003	1.4500e-003	0.0136	1.0000e-005	4.2000e-004	1.0000e-005	4.3000e-004	1.1000e-004	1.0000e-005	1.3000e-004	0.0000	0.7172	0.7172	3.2000e-004	1.4000e-004	0.7678
Total	**4.1300e-003**	**7.1900e-003**	**0.0175**	**2.0000e-005**	**5.2000e-004**	**2.0000e-005**	**5.5000e-004**	**1.4000e-004**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**1.6458**	**1.6458**	**3.4000e-004**	**2.8000e-004**	**1.7399**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1020	0.8106	0.8458	1.4900e-003		0.0365	0.0365		0.0350	0.0350	0.0000	123.5827	123.5827	0.0234	0.0000	124.1670
Total	**0.1020**	**0.8106**	**0.8458**	**1.4900e-003**		**0.0365**	**0.0365**		**0.0350**	**0.0350**	**0.0000**	**123.5827**	**123.5827**	**0.0234**	**0.0000**	**124.1670**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	9.0000e-005	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0148	0.0000	0.0000	0.0155
Vendor	3.2000e-004	6.4400e-003	4.7000e-003	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	1.0417	1.0417	2.0000e-005	1.6000e-004	1.0905
Worker	4.1100e-003	1.5500e-003	0.0152	1.0000e-005	5.0000e-004	1.0000e-005	5.1000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.8176	0.8176	3.4000e-004	1.6000e-004	0.8738
Total	**4.4300e-003**	**8.0800e-003**	**0.0200**	**2.0000e-005**	**6.2000e-004**	**2.0000e-005**	**6.4000e-004**	**1.8000e-004**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**1.8741**	**1.8741**	**3.6000e-004**	**3.2000e-004**	**1.9798**

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	0.1020	0.8106	0.8458	1.4900e-003		0.0365	0.0365		0.0350	0.0350	0.0000	123.5826	123.5826	0.0234	0.0000	124.1669
Total	**0.1020**	**0.8106**	**0.8458**	**1.4900e-003**		**0.0365**	**0.0365**		**0.0350**	**0.0350**	**0.0000**	**123.5826**	**123.5826**	**0.0234**	**0.0000**	**124.1669**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	9.0000e-005	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0148	0.0000	0.0000	0.0155
Vendor	3.2000e-004	6.4400e-003	4.7000e-003	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	1.0417	1.0417	2.0000e-005	1.6000e-004	1.0905
Worker	4.1100e-003	1.5500e-003	0.0152	1.0000e-005	5.0000e-004	1.0000e-005	5.1000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.8176	0.8176	3.4000e-004	1.6000e-004	0.8738
Total	**4.4300e-003**	**8.0800e-003**	**0.0200**	**2.0000e-005**	**6.2000e-004**	**2.0000e-005**	**6.4000e-004**	**1.8000e-004**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**1.8741**	**1.8741**	**3.6000e-004**	**3.2000e-004**	**1.9798**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4000e-003	0.0431	0.0584	9.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8179
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4000e-003**	**0.0431**	**0.0584**	**9.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8179**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.2000e-004	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0205	0.0205	0.0000	0.0000	0.0215
Vendor	1.0000e-005	2.7000e-004	2.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0438	0.0438	0.0000	1.0000e-005	0.0458
Worker	1.2000e-004	5.0000e-005	4.5000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0240	0.0240	1.0000e-005	0.0000	0.0256
Total	**1.4000e-004**	**4.4000e-004**	**7.5000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0883**	**0.0883**	**1.0000e-005**	**1.0000e-005**	**0.0929**

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	4.4000e-003	0.0431	0.0584	9.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8178
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4000e-003**	**0.0431**	**0.0584**	**9.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8178**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.2000e-004	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0205	0.0205	0.0000	0.0000	0.0215
Vendor	1.0000e-005	2.7000e-004	2.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0438	0.0438	0.0000	1.0000e-005	0.0458
Worker	1.2000e-004	5.0000e-005	4.5000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0240	0.0240	1.0000e-005	0.0000	0.0256
Total	**1.4000e-004**	**4.4000e-004**	**7.5000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0883**	**0.0883**	**1.0000e-005**	**1.0000e-005**	**0.0929**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.3148**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.4200e-003	3.4200e-003	0.0000	0.0000	3.5800e-003
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	7.0000e-005	3.0000e-005	2.7000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0144	0.0144	1.0000e-005	0.0000	0.0154
Total	**7.0000e-005**	**5.0000e-005**	**2.9000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0178**	**0.0178**	**1.0000e-005**	**0.0000**	**0.0190**

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	0.3139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.3148**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.4200e-003	3.4200e-003	0.0000	0.0000	3.5800e-003
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	7.0000e-005	3.0000e-005	2.7000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0144	0.0144	1.0000e-005	0.0000	0.0154
Total	**7.0000e-005**	**5.0000e-005**	**2.9000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0178**	**0.0178**	**1.0000e-005**	**0.0000**	**0.0190**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	16.80	7.10	7.90	38.40	22.60	39.00	86	11	3
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Health Club	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	9.2038	9.2038	7.8000e-004	9.0000e-005	9.2512
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9.2038	9.2038	7.8000e-004	9.0000e-005	9.2512
NaturalGas Mitigated	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	59.0405	59.0405	1.1300e-003	1.0800e-003	59.3914
NaturalGas Unmitigated	5.9700e-003	0.0520	0.0289	3.3000e-004		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	59.0405	59.0405	1.1300e-003	1.0800e-003	59.3914

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	773777	4.1700e-003	0.0357	0.0152	2.3000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	41.2917	41.2917	7.9000e-004	7.6000e-004	41.5371
Health Club	332600	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7488	17.7488	3.4000e-004	3.3000e-004	17.8543
Total		**5.9600e-003**	**0.0520**	**0.0289**	**3.3000e-004**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**59.0405**	**59.0405**	**1.1300e-003**	**1.0900e-003**	**59.3914**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	773777	4.1700e-003	0.0357	0.0152	2.3000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	41.2917	41.2917	7.9000e-004	7.6000e-004	41.5371
Health Club	332600	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7488	17.7488	3.4000e-004	3.3000e-004	17.8543
Total		**5.9600e-003**	**0.0520**	**0.0289**	**3.3000e-004**		**4.1200e-003**	**4.1200e-003**		**4.1200e-003**	**4.1200e-003**	**0.0000**	**59.0405**	**59.0405**	**1.1300e-003**	**1.0900e-003**	**59.3914**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	38897.3	6.8983	5.8000e-004	7.0000e-005	6.9339
Health Club	13000	2.3055	1.9000e-004	2.0000e-005	2.3174
Total		**9.2038**	**7.7000e-004**	**9.0000e-005**	**9.2512**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	38897.3	6.8983	5.8000e-004	7.0000e-005	6.9339
Health Club	13000	2.3055	1.9000e-004	2.0000e-005	2.3174
Total		**9.2038**	**7.7000e-004**	**9.0000e-005**	**9.2512**

6.0 Area Detail

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0334	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2100e-003	3.2100e-003	0.0000	0.0000	3.2800e-003
Unmitigated	0.0334	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2400e-003	3.2400e-003	0.0000	0.0000	3.3100e-003

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2400e-003	3.2400e-003	0.0000	0.0000	3.3100e-003
Total	**0.0334**	**2.0000e-005**	**1.9800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.2400e-003**	**3.2400e-003**	**0.0000**	**0.0000**	**3.3100e-003**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	2.0000e-005	1.9700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.2100e-003	3.2100e-003	0.0000	0.0000	3.2800e-003
Total	**0.0334**	**2.0000e-005**	**1.9700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.2100e-003**	**3.2100e-003**	**0.0000**	**0.0000**	**3.2800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Multi-family Residential Construction Localized Assessment (On-site)

Tulare County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	20.00	1000sqft	0.46	20,000.00	0
Apartments Low Rise	48.00	Dwelling Unit	2.24	85,500.00	137

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Unmitigated Construction - Multi-family Residential Component (On-site)

Land Use - 48 dwelling units (building square footage increased compared to default values based on project-specific information provided in the site plan)
Additional building to account for amenities and leasing office
2.70 acres

Construction Phase - No demolition

Trips and VMT - Localized Assessment (On-site Emissions)
Construction trip length adjusted to 0.25 mi

Grading - Site relatively flat - cut/fill expected to balance on site

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Consumer Products - Construction only run

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Area Coating - SJVAPCD Rule 4601 Architectural Coatings

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII

Area Mitigation - Construction run only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24E	1.31	0.00
tblEnergyUse	T24E	139.08	0.00
tblEnergyUse	T24E	0.36	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	26.40	0.00
tblLandscapeEquipment	NumberSummerDays	180	1

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	48,000.00	85,500.00
tblLandUse	LotAcreage	3.00	2.24
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	22.08	0.00
tblSolidWaste	SolidWasteGenerationRate	114.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.28	0.00

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	0.00
tblWater	IndoorWaterUseRate	1,182,862.88	0.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	724,980.48	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.9640	17.0178	14.6676	0.0254	7.0849	0.7424	7.8273	3.4254	0.6830	4.1084	0.0000	2,386.0141	2,386.0141	0.7694	6.1400e-003	2,405.7804
2023	62.9811	13.7548	14.5195	0.0254	0.0107	0.6140	0.6247	2.9500e-003	0.5884	0.5913	0.0000	2,324.8849	2,324.8849	0.5441	5.8600e-003	2,337.6005
Maximum	**62.9811**	**17.0178**	**14.6676**	**0.0254**	**7.0849**	**0.7424**	**7.8273**	**3.4254**	**0.6830**	**4.1084**	**0.0000**	**2,386.0141**	**2,386.0141**	**0.7694**	**6.1400e-003**	**2,405.7804**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.9640	17.0178	14.6676	0.0254	3.1895	0.7424	3.9319	1.5418	0.6830	2.2248	0.0000	2,386.0141	2,386.0141	0.7694	6.1400e-003	2,405.7804
2023	62.9811	13.7548	14.5195	0.0254	0.0107	0.6140	0.6247	2.9500e-003	0.5884	0.5913	0.0000	2,324.8849	2,324.8849	0.5441	5.8600e-003	2,337.6005
Maximum	**62.9811**	**17.0178**	**14.6676**	**0.0254**	**3.1895**	**0.7424**	**3.9319**	**1.5418**	**0.6830**	**2.2248**	**0.0000**	**2,386.0141**	**2,386.0141**	**0.7694**	**6.1400e-003**	**2,405.7804**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.90	0.00	46.09	54.94	0.00	40.08	0.00	0.00	0.00	0.00	0.00	0.00

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3020	0.0457	3.9630	2.1000e-004		0.0219	0.0219		0.0219	0.0219	0.0000	7.1349	7.1349	6.8700e-003	0.0000	7.3066
Energy	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3347**	**0.3304**	**4.1212**	**1.9900e-003**	**0.0000**	**0.0445**	**0.0445**	**0.0000**	**0.0445**	**0.0445**	**0.0000**	**363.7432**	**363.7432**	**0.0137**	**6.5400e-003**	**366.0341**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3004	0.0454	3.9344	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	7.0706	7.0706	6.7700e-003	0.0000	7.2399
Energy	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3331**	**0.3301**	**4.0926**	**1.9900e-003**	**0.0000**	**0.0444**	**0.0444**	**0.0000**	**0.0444**	**0.0444**	**0.0000**	**363.6789**	**363.6789**	**0.0136**	**6.5400e-003**	**365.9673**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**0.50**	**0.09**	**0.69**	**0.00**	**0.00**	**0.38**	**0.38**	**0.00**	**0.38**	**0.38**	**0.00**	**0.02**	**0.02**	**0.73**	**0.00**	**0.02**

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	8/1/2022	8/3/2022	5	3	
2	Grading	Grading	8/4/2022	8/11/2022	5	6	
3	Building Construction	Building Construction	8/12/2022	6/15/2023	5	220	
4	Paving	Paving	6/16/2023	6/29/2023	5	10	
5	Architectural Coating	Architectural Coating	6/30/2023	7/13/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

Residential Indoor: 173,138; Residential Outdoor: 57,713; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	6.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	8.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Building Construction	8	43.00	8.00	16.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	12.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	2.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**		**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4700e-003	0.0419	0.0313	7.0000e-005	4.8000e-004	7.0000e-005	5.5000e-004	1.4000e-004	7.0000e-005	2.0000e-004		7.7946	7.7946	1.2000e-004	1.2300e-003	8.1629
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
Worker	0.0190	5.0100e-003	0.0444	3.0000e-005	1.6000e-003	5.0000e-005	1.6500e-003	4.3000e-004	5.0000e-005	4.8000e-004		3.0626	3.0626	1.1000e-003	5.6000e-004	3.2562
Total	**0.0215**	**0.0469**	**0.0757**	**1.0000e-004**	**2.0800e-003**	**1.2000e-004**	**2.2000e-003**	**5.7000e-004**	**1.2000e-004**	**6.8000e-004**		**10.8572**	**10.8572**	**1.2200e-003**	**1.7900e-003**	**11.4191**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**0.7158**	**0.5952**	**1.3110**	**0.0773**	**0.5476**	**0.6249**	**0.0000**	**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4700e-003	0.0419	0.0313	7.0000e-005	4.8000e-004	7.0000e-005	5.5000e-004	1.4000e-004	7.0000e-005	2.0000e-004		7.7946	7.7946	1.2000e-004	1.2300e-003	8.1629
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
Worker	0.0190	5.0100e-003	0.0444	3.0000e-005	1.6000e-003	5.0000e-005	1.6500e-003	4.3000e-004	5.0000e-005	4.8000e-004		3.0626	3.0626	1.1000e-003	5.6000e-004	3.2562
Total	**0.0215**	**0.0469**	**0.0757**	**1.0000e-004**	**2.0800e-003**	**1.2000e-004**	**2.2000e-003**	**5.7000e-004**	**1.2000e-004**	**6.8000e-004**		**10.8572**	**10.8572**	**1.2200e-003**	**1.7900e-003**	**11.4191**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6500e-003	0.0279	0.0209	5.0000e-005	3.2000e-004	5.0000e-005	3.7000e-004	9.0000e-005	4.0000e-005	1.3000e-004		5.1964	5.1964	8.0000e-005	8.2000e-004	5.4420
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
Worker	0.0238	6.2600e-003	0.0555	4.0000e-005	2.0000e-003	6.0000e-005	2.0600e-003	5.4000e-004	6.0000e-005	6.0000e-004		3.8283	3.8283	1.3700e-003	7.0000e-004	4.0702
Total	**0.0254**	**0.0342**	**0.0764**	**9.0000e-005**	**2.3200e-003**	**1.1000e-004**	**2.4300e-003**	**6.3000e-004**	**1.0000e-004**	**7.3000e-004**		**9.0247**	**9.0247**	**1.4500e-003**	**1.5200e-003**	**9.5122**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**3.1872**	**0.7423**	**3.9294**	**1.5411**	**0.6829**	**2.2240**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6500e-003	0.0279	0.0209	5.0000e-005	3.2000e-004	5.0000e-005	3.7000e-004	9.0000e-005	4.0000e-005	1.3000e-004		5.1964	5.1964	8.0000e-005	8.2000e-004	5.4420
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
Worker	0.0238	6.2600e-003	0.0555	4.0000e-005	2.0000e-003	6.0000e-005	2.0600e-003	5.4000e-004	6.0000e-005	6.0000e-004		3.8283	3.8283	1.3700e-003	7.0000e-004	4.0702
Total	**0.0254**	**0.0342**	**0.0764**	**9.0000e-005**	**2.3200e-003**	**1.1000e-004**	**2.4300e-003**	**6.3000e-004**	**1.0000e-004**	**7.3000e-004**		**9.0247**	**9.0247**	**1.4500e-003**	**1.5200e-003**	**9.5122**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	1.5200e-003	1.1400e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005		0.2834	0.2834	0.0000	4.0000e-005	0.2968
Vendor	6.1200e-003	0.1092	0.0746	1.9000e-004	2.0600e-003	2.8000e-004	2.3400e-003	6.2000e-004	2.7000e-004	8.8000e-004		19.9220	19.9220	3.5000e-004	3.1000e-003	20.8552
Worker	0.1023	0.0269	0.2386	1.6000e-004	8.5900e-003	2.7000e-004	8.8600e-003	2.3300e-003	2.5000e-004	2.5800e-003		16.4616	16.4616	5.9000e-003	3.0000e-003	17.5019
Total	**0.1085**	**0.1376**	**0.3144**	**3.5000e-004**	**0.0107**	**5.5000e-004**	**0.0112**	**2.9500e-003**	**5.2000e-004**	**3.4700e-003**		**36.6671**	**36.6671**	**6.2500e-003**	**6.1400e-003**	**38.6540**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	1.5200e-003	1.1400e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005		0.2834	0.2834	0.0000	4.0000e-005	0.2968
Vendor	6.1200e-003	0.1092	0.0746	1.9000e-004	2.0600e-003	2.8000e-004	2.3400e-003	6.2000e-004	2.7000e-004	8.8000e-004		19.9220	19.9220	3.5000e-004	3.1000e-003	20.8552
Worker	0.1023	0.0269	0.2386	1.6000e-004	8.5900e-003	2.7000e-004	8.8600e-003	2.3300e-003	2.5000e-004	2.5800e-003		16.4616	16.4616	5.9000e-003	3.0000e-003	17.5019
Total	**0.1085**	**0.1376**	**0.3144**	**3.5000e-004**	**0.0107**	**5.5000e-004**	**0.0112**	**2.9500e-003**	**5.2000e-004**	**3.4700e-003**		**36.6671**	**36.6671**	**6.2500e-003**	**6.1400e-003**	**38.6540**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	1.4500e-003	1.2000e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005		0.2720	0.2720	0.0000	4.0000e-005	0.2848
Vendor	5.6800e-003	0.1049	0.0772	1.8000e-004	2.0600e-003	1.3000e-004	2.1900e-003	6.2000e-004	1.3000e-004	7.4000e-004		19.1623	19.1623	3.3000e-004	2.9800e-003	20.0596
Worker	0.0932	0.0246	0.2266	1.6000e-004	8.5900e-003	2.5000e-004	8.8400e-003	2.3300e-003	2.3000e-004	2.5600e-003		15.9273	15.9273	5.3900e-003	2.8400e-003	16.9082
Total	**0.0990**	**0.1309**	**0.3051**	**3.4000e-004**	**0.0107**	**3.8000e-004**	**0.0111**	**2.9500e-003**	**3.6000e-004**	**3.3100e-003**		**35.3615**	**35.3615**	**5.7200e-003**	**5.8600e-003**	**37.2526**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	1.4500e-003	1.2000e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005		0.2720	0.2720	0.0000	4.0000e-005	0.2848
Vendor	5.6800e-003	0.1049	0.0772	1.8000e-004	2.0600e-003	1.3000e-004	2.1900e-003	6.2000e-004	1.3000e-004	7.4000e-004		19.1623	19.1623	3.3000e-004	2.9800e-003	20.0596
Worker	0.0932	0.0246	0.2266	1.6000e-004	8.5900e-003	2.5000e-004	8.8400e-003	2.3300e-003	2.3000e-004	2.5600e-003		15.9273	15.9273	5.3900e-003	2.8400e-003	16.9082
Total	**0.0990**	**0.1309**	**0.3051**	**3.4000e-004**	**0.0107**	**3.8000e-004**	**0.0111**	**2.9500e-003**	**3.6000e-004**	**3.3100e-003**		**35.3615**	**35.3615**	**5.7200e-003**	**5.8600e-003**	**37.2526**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8802**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4500e-003	0.0239	0.0198	4.0000e-005	2.9000e-004	3.0000e-005	3.2000e-004	8.0000e-005	3.0000e-005	1.1000e-004		4.4878	4.4878	7.0000e-005	7.1000e-004	4.6999
Vendor	2.8400e-003	0.0524	0.0386	9.0000e-005	1.0300e-003	7.0000e-005	1.1000e-003	3.1000e-004	6.0000e-005	3.7000e-004		9.5811	9.5811	1.7000e-004	1.4900e-003	10.0298
Worker	0.0325	8.5700e-003	0.0791	5.0000e-005	3.0000e-003	9.0000e-005	3.0800e-003	8.1000e-004	8.0000e-005	8.9000e-004		5.5560	5.5560	1.8800e-003	9.9000e-004	5.8982
Total	**0.0368**	**0.0849**	**0.1375**	**1.8000e-004**	**4.3200e-003**	**1.9000e-004**	**4.5000e-003**	**1.2000e-003**	**1.7000e-004**	**1.3700e-003**		**19.6249**	**19.6249**	**2.1200e-003**	**3.1900e-003**	**20.6279**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8802**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4500e-003	0.0239	0.0198	4.0000e-005	2.9000e-004	3.0000e-005	3.2000e-004	8.0000e-005	3.0000e-005	1.1000e-004		4.4878	4.4878	7.0000e-005	7.1000e-004	4.6999
Vendor	2.8400e-003	0.0524	0.0386	9.0000e-005	1.0300e-003	7.0000e-005	1.1000e-003	3.1000e-004	6.0000e-005	3.7000e-004		9.5811	9.5811	1.7000e-004	1.4900e-003	10.0298
Worker	0.0325	8.5700e-003	0.0791	5.0000e-005	3.0000e-003	9.0000e-005	3.0800e-003	8.1000e-004	8.0000e-005	8.9000e-004		5.5560	5.5560	1.8800e-003	9.9000e-004	5.8982
Total	**0.0368**	**0.0849**	**0.1375**	**1.8000e-004**	**4.3200e-003**	**1.9000e-004**	**4.5000e-003**	**1.2000e-003**	**1.7000e-004**	**1.3700e-003**		**19.6249**	**19.6249**	**2.1200e-003**	**3.1900e-003**	**20.6279**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	62.7697					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**62.9614**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4000e-004	3.9900e-003	3.3000e-003	1.0000e-005	5.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	0.0000	2.0000e-005		0.7480	0.7480	1.0000e-005	1.2000e-004	0.7833
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
Worker	0.0195	5.1400e-003	0.0474	3.0000e-005	1.8000e-003	5.0000e-005	1.8500e-003	4.9000e-004	5.0000e-005	5.4000e-004		3.3336	3.3336	1.1300e-003	5.9000e-004	3.5389
Total	**0.0198**	**9.1300e-003**	**0.0507**	**4.0000e-005**	**1.8500e-003**	**6.0000e-005**	**1.9000e-003**	**5.0000e-004**	**5.0000e-005**	**5.6000e-004**		**4.0816**	**4.0816**	**1.1400e-003**	**7.1000e-004**	**4.3222**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	62.7697					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**62.9614**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4000e-004	3.9900e-003	3.3000e-003	1.0000e-005	5.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	0.0000	2.0000e-005		0.7480	0.7480	1.0000e-005	1.2000e-004	0.7833
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
Worker	0.0195	5.1400e-003	0.0474	3.0000e-005	1.8000e-003	5.0000e-005	1.8500e-003	4.9000e-004	5.0000e-005	5.4000e-004		3.3336	3.3336	1.1300e-003	5.9000e-004	3.5389
Total	**0.0198**	**9.1300e-003**	**0.0507**	**4.0000e-005**	**1.8500e-003**	**6.0000e-005**	**1.9000e-003**	**5.0000e-004**	**5.0000e-005**	**5.6000e-004**		**4.0816**	**4.0816**	**1.1400e-003**	**7.1000e-004**	**4.3222**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	16.80	7.10	7.90	38.40	22.60	39.00	86	11	3
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Health Club	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
NaturalGas Unmitigated	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2119.94	0.0229	0.1954	0.0831	1.2500e-003		0.0158	0.0158		0.0158	0.0158		249.4044	249.4044	4.7800e-003	4.5700e-003	250.8865
Health Club	911.233	9.8300e-003	0.0893	0.0750	5.4000e-004		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003		107.2039	107.2039	2.0500e-003	1.9700e-003	107.8409
Total		**0.0327**	**0.2847**	**0.1582**	**1.7900e-003**		**0.0226**	**0.0226**		**0.0226**	**0.0226**		**356.6083**	**356.6083**	**6.8300e-003**	**6.5400e-003**	**358.7275**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.11994	0.0229	0.1954	0.0831	1.2500e-003		0.0158	0.0158		0.0158	0.0158		249.4044	249.4044	4.7800e-003	4.5700e-003	250.8865
Health Club	0.911233	9.8300e-003	0.0893	0.0750	5.4000e-004		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003		107.2039	107.2039	2.0500e-003	1.9700e-003	107.8409
Total		**0.0327**	**0.2847**	**0.1582**	**1.7900e-003**		**0.0226**	**0.0226**		**0.0226**	**0.0226**		**356.6083**	**356.6083**	**6.8300e-003**	**6.5400e-003**	**358.7275**

6.0 Area Detail

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3004	0.0454	3.9344	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	7.0706	7.0706	6.7700e-003	0.0000	7.2399
Unmitigated	0.3020	0.0457	3.9630	2.1000e-004		0.0219	0.0219		0.0219	0.0219	0.0000	7.1349	7.1349	6.8700e-003	0.0000	7.3066

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1195	0.0457	3.9630	2.1000e-004		0.0219	0.0219		0.0219	0.0219		7.1349	7.1349	6.8700e-003		7.3066
Total	**0.3020**	**0.0457**	**3.9630**	**2.1000e-004**		**0.0219**	**0.0219**		**0.0219**	**0.0219**	**0.0000**	**7.1349**	**7.1349**	**6.8700e-003**	**0.0000**	**7.3066**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1178	0.0454	3.9344	2.1000e-004		0.0218	0.0218		0.0218	0.0218		7.0706	7.0706	6.7700e-003		7.2399
Total	**0.3004**	**0.0454**	**3.9344**	**2.1000e-004**		**0.0218**	**0.0218**		**0.0218**	**0.0218**	**0.0000**	**7.0706**	**7.0706**	**6.7700e-003**	**0.0000**	**7.2399**

7.0 Water Detail

7.1 Mitigation Measures Water

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Multi-family Residential Construction Localized Assessment (On-site)

Tulare County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	20.00	1000sqft	0.46	20,000.00	0
Apartments Low Rise	48.00	Dwelling Unit	2.24	85,500.00	137

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Unmitigated Construction - Multi-family Residential Component (On-site)

Land Use - 48 dwelling units (building square footage increased compared to default values based on project-specific information provided in the site plan)
Additional building to account for amenities and leasing office
2.70 acres

Construction Phase - No demolition

Trips and VMT - Localized Assessment (On-site Emissions)
Construction trip length adjusted to 0.25 mi

Grading - Site relatively flat - cut/fill expected to balance on site

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Consumer Products - Construction only run

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Area Coating - SJVAPCD Rule 4601 Architectural Coatings

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII

Area Mitigation - Construction run only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24E	1.31	0.00
tblEnergyUse	T24E	139.08	0.00
tblEnergyUse	T24E	0.36	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	26.40	0.00
tblLandscapeEquipment	NumberSummerDays	180	1

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	48,000.00	85,500.00
tblLandUse	LotAcreage	3.00	2.24
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	22.08	0.00
tblSolidWaste	SolidWasteGenerationRate	114.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblVehicleTrips	ST_TR	8.14	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.28	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	7.32	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	0.00
tblWater	IndoorWaterUseRate	1,182,862.88	0.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	724,980.48	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.9286	17.0207	14.7516	0.0254	7.0849	0.7424	7.8273	3.4254	0.6830	4.1084	0.0000	2,385.8989	2,385.8989	0.7698	6.5300e-003	2,405.6981
2023	62.9744	13.7664	14.5996	0.0254	0.0107	0.6140	0.6247	2.9500e-003	0.5884	0.5914	0.0000	2,324.1833	2,324.1833	0.5447	6.2500e-003	2,337.0625
Maximum	**62.9744**	**17.0207**	**14.7516**	**0.0254**	**7.0849**	**0.7424**	**7.8273**	**3.4254**	**0.6830**	**4.1084**	**0.0000**	**2,385.8989**	**2,385.8989**	**0.7698**	**6.5300e-003**	**2,405.6981**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.9286	17.0207	14.7516	0.0254	3.1895	0.7424	3.9319	1.5418	0.6830	2.2248	0.0000	2,385.8989	2,385.8989	0.7698	6.5300e-003	2,405.6981
2023	62.9744	13.7664	14.5996	0.0254	0.0107	0.6140	0.6247	2.9500e-003	0.5884	0.5914	0.0000	2,324.1833	2,324.1833	0.5447	6.2500e-003	2,337.0625
Maximum	**62.9744**	**17.0207**	**14.7516**	**0.0254**	**3.1895**	**0.7424**	**3.9319**	**1.5418**	**0.6830**	**2.2248**	**0.0000**	**2,385.8989**	**2,385.8989**	**0.7698**	**6.5300e-003**	**2,405.6981**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.90	0.00	46.09	54.94	0.00	40.08	0.00	0.00	0.00	0.00	0.00	0.00

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3020	0.0457	3.9630	2.1000e-004		0.0219	0.0219		0.0219	0.0219	0.0000	7.1349	7.1349	6.8700e-003	0.0000	7.3066
Energy	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3347**	**0.3304**	**4.1212**	**1.9900e-003**	**0.0000**	**0.0445**	**0.0445**	**0.0000**	**0.0445**	**0.0445**	**0.0000**	**363.7432**	**363.7432**	**0.0137**	**6.5400e-003**	**366.0341**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3004	0.0454	3.9344	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	7.0706	7.0706	6.7700e-003	0.0000	7.2399
Energy	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3331**	**0.3301**	**4.0926**	**1.9900e-003**	**0.0000**	**0.0444**	**0.0444**	**0.0000**	**0.0444**	**0.0444**	**0.0000**	**363.6789**	**363.6789**	**0.0136**	**6.5400e-003**	**365.9673**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**0.50**	**0.09**	**0.69**	**0.00**	**0.00**	**0.38**	**0.38**	**0.00**	**0.38**	**0.38**	**0.00**	**0.02**	**0.02**	**0.73**	**0.00**	**0.02**

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	8/1/2022	8/3/2022	5	3	
2	Grading	Grading	8/4/2022	8/11/2022	5	6	
3	Building Construction	Building Construction	8/12/2022	6/15/2023	5	220	
4	Paving	Paving	6/16/2023	6/29/2023	5	10	
5	Architectural Coating	Architectural Coating	6/30/2023	7/13/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

Residential Indoor: 173,138; Residential Outdoor: 57,713; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	6.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	8.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Building Construction	8	43.00	8.00	16.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	12.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	2.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**		**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2000e-003	0.0447	0.0328	7.0000e-005	4.8000e-004	7.0000e-005	5.5000e-004	1.4000e-004	7.0000e-005	2.1000e-004		7.8778	7.8778	1.1000e-004	1.2400e-003	8.2498
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
Worker	0.0126	5.8700e-003	0.0590	3.0000e-005	1.6000e-003	5.0000e-005	1.6500e-003	4.3000e-004	5.0000e-005	4.8000e-004		2.8642	2.8642	1.4900e-003	6.2000e-004	3.0870
Total	**0.0148**	**0.0506**	**0.0918**	**1.0000e-004**	**2.0800e-003**	**1.2000e-004**	**2.2000e-003**	**5.7000e-004**	**1.2000e-004**	**6.9000e-004**		**10.7420**	**10.7420**	**1.6000e-003**	**1.8600e-003**	**11.3368**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**0.7158**	**0.5952**	**1.3110**	**0.0773**	**0.5476**	**0.6249**	**0.0000**	**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2000e-003	0.0447	0.0328	7.0000e-005	4.8000e-004	7.0000e-005	5.5000e-004	1.4000e-004	7.0000e-005	2.1000e-004		7.8778	7.8778	1.1000e-004	1.2400e-003	8.2498
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
Worker	0.0126	5.8700e-003	0.0590	3.0000e-005	1.6000e-003	5.0000e-005	1.6500e-003	4.3000e-004	5.0000e-005	4.8000e-004		2.8642	2.8642	1.4900e-003	6.2000e-004	3.0870
Total	**0.0148**	**0.0506**	**0.0918**	**1.0000e-004**	**2.0800e-003**	**1.2000e-004**	**2.2000e-003**	**5.7000e-004**	**1.2000e-004**	**6.9000e-004**		**10.7420**	**10.7420**	**1.6000e-003**	**1.8600e-003**	**11.3368**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4700e-003	0.0298	0.0218	5.0000e-005	3.2000e-004	5.0000e-005	3.7000e-004	9.0000e-005	5.0000e-005	1.4000e-004		5.2519	5.2519	7.0000e-005	8.3000e-004	5.4999
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
Worker	0.0157	7.3400e-003	0.0738	4.0000e-005	2.0000e-003	6.0000e-005	2.0600e-003	5.4000e-004	6.0000e-005	6.0000e-004		3.5802	3.5802	1.8700e-003	7.8000e-004	3.8588
Total	**0.0172**	**0.0371**	**0.0956**	**9.0000e-005**	**2.3200e-003**	**1.1000e-004**	**2.4300e-003**	**6.3000e-004**	**1.1000e-004**	**7.4000e-004**		**8.8321**	**8.8321**	**1.9400e-003**	**1.6100e-003**	**9.3587**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**3.1872**	**0.7423**	**3.9294**	**1.5411**	**0.6829**	**2.2240**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4700e-003	0.0298	0.0218	5.0000e-005	3.2000e-004	5.0000e-005	3.7000e-004	9.0000e-005	5.0000e-005	1.4000e-004		5.2519	5.2519	7.0000e-005	8.3000e-004	5.4999
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
Worker	0.0157	7.3400e-003	0.0738	4.0000e-005	2.0000e-003	6.0000e-005	2.0600e-003	5.4000e-004	6.0000e-005	6.0000e-004		3.5802	3.5802	1.8700e-003	7.8000e-004	3.8588
Total	**0.0172**	**0.0371**	**0.0956**	**9.0000e-005**	**2.3200e-003**	**1.1000e-004**	**2.4300e-003**	**6.3000e-004**	**1.1000e-004**	**7.4000e-004**		**8.8321**	**8.8321**	**1.9400e-003**	**1.6100e-003**	**9.3587**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

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	8.0000e-005	1.6300e-003	1.1900e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005		0.2865	0.2865	0.0000	5.0000e-005	0.3000
Vendor	5.5800e-003	0.1154	0.0798	1.9000e-004	2.0600e-003	3.0000e-004	2.3600e-003	6.2000e-004	2.8000e-004	9.0000e-004		20.0735	20.0735	3.4000e-004	3.1300e-003	21.0147
Worker	0.0675	0.0315	0.3173	1.5000e-004	8.5900e-003	2.7000e-004	8.8600e-003	2.3300e-003	2.5000e-004	2.5800e-003		15.3950	15.3950	8.0300e-003	3.3500e-003	16.5928
Total	**0.0731**	**0.1486**	**0.3983**	**3.4000e-004**	**0.0107**	**5.7000e-004**	**0.0112**	**2.9500e-003**	**5.3000e-004**	**3.4900e-003**		**35.7549**	**35.7549**	**8.3700e-003**	**6.5300e-003**	**37.9075**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

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	8.0000e-005	1.6300e-003	1.1900e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005		0.2865	0.2865	0.0000	5.0000e-005	0.3000
Vendor	5.5800e-003	0.1154	0.0798	1.9000e-004	2.0600e-003	3.0000e-004	2.3600e-003	6.2000e-004	2.8000e-004	9.0000e-004		20.0735	20.0735	3.4000e-004	3.1300e-003	21.0147
Worker	0.0675	0.0315	0.3173	1.5000e-004	8.5900e-003	2.7000e-004	8.8600e-003	2.3300e-003	2.5000e-004	2.5800e-003		15.3950	15.3950	8.0300e-003	3.3500e-003	16.5928
Total	**0.0731**	**0.1486**	**0.3983**	**3.4000e-004**	**0.0107**	**5.7000e-004**	**0.0112**	**2.9500e-003**	**5.3000e-004**	**3.4900e-003**		**35.7549**	**35.7549**	**8.3700e-003**	**6.5300e-003**	**37.9075**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

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	8.0000e-005	1.5700e-003	1.2400e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005		0.2778	0.2778	0.0000	4.0000e-005	0.2909
Vendor	5.0400e-003	0.1122	0.0814	1.8000e-004	2.0600e-003	1.4000e-004	2.2000e-003	6.2000e-004	1.4000e-004	7.5000e-004		19.4875	19.4875	3.1000e-004	3.0400e-003	20.4009
Worker	0.0613	0.0288	0.3025	1.5000e-004	8.5900e-003	2.5000e-004	8.8400e-003	2.3300e-003	2.3000e-004	2.5600e-003		14.8947	14.8947	7.3200e-003	3.1700e-003	16.0228
Total	**0.0664**	**0.1425**	**0.3851**	**3.3000e-004**	**0.0107**	**3.9000e-004**	**0.0111**	**2.9500e-003**	**3.7000e-004**	**3.3200e-003**		**34.6600**	**34.6600**	**7.6300e-003**	**6.2500e-003**	**36.7146**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

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	8.0000e-005	1.5700e-003	1.2400e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005		0.2778	0.2778	0.0000	4.0000e-005	0.2909
Vendor	5.0400e-003	0.1122	0.0814	1.8000e-004	2.0600e-003	1.4000e-004	2.2000e-003	6.2000e-004	1.4000e-004	7.5000e-004		19.4875	19.4875	3.1000e-004	3.0400e-003	20.4009
Worker	0.0613	0.0288	0.3025	1.5000e-004	8.5900e-003	2.5000e-004	8.8400e-003	2.3300e-003	2.3000e-004	2.5600e-003		14.8947	14.8947	7.3200e-003	3.1700e-003	16.0228
Total	**0.0664**	**0.1425**	**0.3851**	**3.3000e-004**	**0.0107**	**3.9000e-004**	**0.0111**	**2.9500e-003**	**3.7000e-004**	**3.3200e-003**		**34.6600**	**34.6600**	**7.6300e-003**	**6.2500e-003**	**36.7146**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8802**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2600e-003	0.0259	0.0205	4.0000e-005	2.9000e-004	3.0000e-005	3.2000e-004	8.0000e-005	3.0000e-005	1.1000e-004		4.5834	4.5834	6.0000e-005	7.2000e-004	4.7997
Vendor	2.5200e-003	0.0561	0.0407	9.0000e-005	1.0300e-003	7.0000e-005	1.1000e-003	3.1000e-004	7.0000e-005	3.8000e-004		9.7438	9.7438	1.6000e-004	1.5200e-003	10.2004
Worker	0.0214	0.0100	0.1055	5.0000e-005	3.0000e-003	9.0000e-005	3.0800e-003	8.1000e-004	8.0000e-005	8.9000e-004		5.1958	5.1958	2.5500e-003	1.1100e-003	5.5894
Total	**0.0252**	**0.0920**	**0.1667**	**1.8000e-004**	**4.3200e-003**	**1.9000e-004**	**4.5000e-003**	**1.2000e-003**	**1.8000e-004**	**1.3800e-003**		**19.5229**	**19.5229**	**2.7700e-003**	**3.3500e-003**	**20.5895**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8802**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2600e-003	0.0259	0.0205	4.0000e-005	2.9000e-004	3.0000e-005	3.2000e-004	8.0000e-005	3.0000e-005	1.1000e-004		4.5834	4.5834	6.0000e-005	7.2000e-004	4.7997
Vendor	2.5200e-003	0.0561	0.0407	9.0000e-005	1.0300e-003	7.0000e-005	1.1000e-003	3.1000e-004	7.0000e-005	3.8000e-004		9.7438	9.7438	1.6000e-004	1.5200e-003	10.2004
Worker	0.0214	0.0100	0.1055	5.0000e-005	3.0000e-003	9.0000e-005	3.0800e-003	8.1000e-004	8.0000e-005	8.9000e-004		5.1958	5.1958	2.5500e-003	1.1100e-003	5.5894
Total	**0.0252**	**0.0920**	**0.1667**	**1.8000e-004**	**4.3200e-003**	**1.9000e-004**	**4.5000e-003**	**1.2000e-003**	**1.8000e-004**	**1.3800e-003**		**19.5229**	**19.5229**	**2.7700e-003**	**3.3500e-003**	**20.5895**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	62.7697					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**62.9614**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1000e-004	4.3200e-003	3.4100e-003	1.0000e-005	5.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005		0.7639	0.7639	1.0000e-005	1.2000e-004	0.8000
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
Worker	0.0128	6.0200e-003	0.0633	3.0000e-005	1.8000e-003	5.0000e-005	1.8500e-003	4.9000e-004	5.0000e-005	5.4000e-004		3.1175	3.1175	1.5300e-003	6.6000e-004	3.3536
Total	**0.0130**	**0.0103**	**0.0667**	**4.0000e-005**	**1.8500e-003**	**6.0000e-005**	**1.9000e-003**	**5.0000e-004**	**6.0000e-005**	**5.6000e-004**		**3.8814**	**3.8814**	**1.5400e-003**	**7.8000e-004**	**4.1536**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	62.7697					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**62.9614**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1000e-004	4.3200e-003	3.4100e-003	1.0000e-005	5.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005		0.7639	0.7639	1.0000e-005	1.2000e-004	0.8000
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
Worker	0.0128	6.0200e-003	0.0633	3.0000e-005	1.8000e-003	5.0000e-005	1.8500e-003	4.9000e-004	5.0000e-005	5.4000e-004		3.1175	3.1175	1.5300e-003	6.6000e-004	3.3536
Total	**0.0130**	**0.0103**	**0.0667**	**4.0000e-005**	**1.8500e-003**	**6.0000e-005**	**1.9000e-003**	**5.0000e-004**	**6.0000e-005**	**5.6000e-004**		**3.8814**	**3.8814**	**1.5400e-003**	**7.8000e-004**	**4.1536**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	16.80	7.10	7.90	38.40	22.60	39.00	86	11	3
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Health Club	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
NaturalGas Unmitigated	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2119.94	0.0229	0.1954	0.0831	1.2500e-003		0.0158	0.0158		0.0158	0.0158		249.4044	249.4044	4.7800e-003	4.5700e-003	250.8865
Health Club	911.233	9.8300e-003	0.0893	0.0750	5.4000e-004		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003		107.2039	107.2039	2.0500e-003	1.9700e-003	107.8409
Total		**0.0327**	**0.2847**	**0.1582**	**1.7900e-003**		**0.0226**	**0.0226**		**0.0226**	**0.0226**		**356.6083**	**356.6083**	**6.8300e-003**	**6.5400e-003**	**358.7275**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.11994	0.0229	0.1954	0.0831	1.2500e-003		0.0158	0.0158		0.0158	0.0158		249.4044	249.4044	4.7800e-003	4.5700e-003	250.8865
Health Club	0.911233	9.8300e-003	0.0893	0.0750	5.4000e-004		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003		107.2039	107.2039	2.0500e-003	1.9700e-003	107.8409
Total		**0.0327**	**0.2847**	**0.1582**	**1.7900e-003**		**0.0226**	**0.0226**		**0.0226**	**0.0226**		**356.6083**	**356.6083**	**6.8300e-003**	**6.5400e-003**	**358.7275**

6.0 Area Detail

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3004	0.0454	3.9344	2.1000e-004		0.0218	0.0218		0.0218	0.0218	0.0000	7.0706	7.0706	6.7700e-003	0.0000	7.2399
Unmitigated	0.3020	0.0457	3.9630	2.1000e-004		0.0219	0.0219		0.0219	0.0219	0.0000	7.1349	7.1349	6.8700e-003	0.0000	7.3066

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1195	0.0457	3.9630	2.1000e-004		0.0219	0.0219		0.0219	0.0219		7.1349	7.1349	6.8700e-003		7.3066
Total	**0.3020**	**0.0457**	**3.9630**	**2.1000e-004**		**0.0219**	**0.0219**		**0.0219**	**0.0219**	**0.0000**	**7.1349**	**7.1349**	**6.8700e-003**	**0.0000**	**7.3066**

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1178	0.0454	3.9344	2.1000e-004		0.0218	0.0218		0.0218	0.0218		7.0706	7.0706	6.7700e-003		7.2399
Total	**0.3004**	**0.0454**	**3.9344**	**2.1000e-004**		**0.0218**	**0.0218**		**0.0218**	**0.0218**	**0.0000**	**7.0706**	**7.0706**	**6.7700e-003**	**0.0000**	**7.2399**

7.0 Water Detail

7.1 Mitigation Measures Water

Multi-family Residential Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Commercial Development Construction Localized Assessment (On-site)

Tulare County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.38	Acre	0.38	16,552.80	0
Parking Lot	2.87	Acre	2.87	125,017.20	0
City Park	0.57	Acre	0.57	24,829.20	0
Fast Food Restaurant with Drive Thru	3.40	1000sqft	0.08	3,400.00	0
High Turnover (Sit Down Restaurant)	2.70	1000sqft	0.06	2,700.00	0
Automobile Care Center	2.40	1000sqft	0.06	2,400.00	0
Convenience Market with Gas Pumps	3.00	1000sqft	0.13	3,000.00	0
Supermarket	23.00	1000sqft	0.53	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Unmitigated Construction - Commercial Development Component (on-site construction emissions)

Land Use - Commercial land uses based on information provided in the project description, traffic study, and project site plan.
Gross acreage for commercial component: 4.68 acres

Construction Phase - No demolition
Assumed commercial development and residential development could overlap to present a conservative estimate of emissions.

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Localized Assessment (On-site Emissions)
Construction trip length adjusted to 0.25 mi

Grading - Site relatively flat - cut/fill expected to balance on site
Added 2,500 cy of import and 2,500 cy of export to account for miscellaneous hauling trips and to provide a conservative estimate of emissions

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Construction run only

Consumer Products - Construction run only

Area Coating - Construction run only

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII

Area Mitigation - Construction run only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblAreaCoating	ReapplicationRatePercent	10	1
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	1.31	0.00
tblEnergyUse	NT24E	2.49	0.00
tblEnergyUse	NT24E	20.65	0.00

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	NT24E	20.65	0.00
tblEnergyUse	NT24E	25.36	0.00
tblEnergyUse	T24E	0.36	0.00
tblEnergyUse	T24E	2.82	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	3.57	0.00
tblGrading	MaterialExported	0.00	2,500.00
tblGrading	MaterialImported	0.00	2,500.00
tblLandscapeEquipment	NumberSummerDays	180	1
tblLandUse	LotAcreage	0.07	0.13
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.17	0.00
tblSolidWaste	SolidWasteGenerationRate	0.05	0.00
tblSolidWaste	SolidWasteGenerationRate	9.02	0.00
tblSolidWaste	SolidWasteGenerationRate	39.16	0.00
tblSolidWaste	SolidWasteGenerationRate	32.13	0.00
tblSolidWaste	SolidWasteGenerationRate	129.72	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripNumber	0.00	14.00
tblTripsAndVMT	HaulingTripNumber	625.00	637.00
tblTripsAndVMT	HaulingTripNumber	0.00	18.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.60	0.25

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	624.20	0.00
tblVehicleTrips	ST_TR	616.12	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	ST_TR	177.62	0.00
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	624.20	0.00
tblVehicleTrips	SU_TR	472.58	0.00
tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	SU_TR	166.47	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	624.20	0.00
tblVehicleTrips	WD_TR	470.95	0.00
tblVehicleTrips	WD_TR	112.18	0.00
tblVehicleTrips	WD_TR	106.78	0.00
tblWater	IndoorWaterUseRate	225,794.66	0.00

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	IndoorWaterUseRate	222,217.56	0.00
tblWater	IndoorWaterUseRate	1,032,014.62	0.00
tblWater	IndoorWaterUseRate	819,541.02	0.00
tblWater	IndoorWaterUseRate	2,835,168.94	0.00
tblWater	OutdoorWaterUseRate	138,390.27	0.00
tblWater	OutdoorWaterUseRate	679,144.37	0.00
tblWater	OutdoorWaterUseRate	136,197.86	0.00
tblWater	OutdoorWaterUseRate	65,873.27	0.00
tblWater	OutdoorWaterUseRate	52,311.13	0.00
tblWater	OutdoorWaterUseRate	87,685.64	0.00

2.0 Emissions Summary

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1072	0.9557	0.9501	1.5800e-003	0.0790	0.0471	0.1262	0.0394	0.0442	0.0835	0.0000	137.3133	137.3133	0.0337	1.0200e-003	138.4586
2023	0.2386	1.0814	1.2629	2.0600e-003	1.6900e-003	0.0512	0.0529	4.7000e-004	0.0481	0.0486	0.0000	177.9648	177.9648	0.0423	1.1300e-003	179.3586
Maximum	**0.2386**	**1.0814**	**1.2629**	**2.0600e-003**	**0.0790**	**0.0512**	**0.1262**	**0.0394**	**0.0481**	**0.0835**	**0.0000**	**177.9648**	**177.9648**	**0.0423**	**1.1300e-003**	**179.3586**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1072	0.9557	0.9501	1.5800e-003	0.0363	0.0471	0.0834	0.0179	0.0442	0.0621	0.0000	137.3132	137.3132	0.0337	1.0200e-003	138.4585
2023	0.2386	1.0814	1.2628	2.0600e-003	1.6900e-003	0.0512	0.0529	4.7000e-004	0.0481	0.0486	0.0000	177.9646	177.9646	0.0423	1.1300e-003	179.3584
Maximum	**0.2386**	**1.0814**	**1.2628**	**2.0600e-003**	**0.0363**	**0.0512**	**0.0834**	**0.0179**	**0.0481**	**0.0621**	**0.0000**	**177.9646**	**177.9646**	**0.0423**	**1.1300e-003**	**179.3584**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**52.99**	**0.00**	**23.89**	**53.85**	**0.00**	**16.24**	**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	**8-1-2022**	**10-31-2022**	0.6534	0.6534
2	**11-1-2022**	**1-31-2023**	0.5763	0.5763
3	**2-1-2023**	**4-30-2023**	0.5284	0.5284
4	**5-1-2023**	**7-31-2023**	0.4875	0.4875
5	**8-1-2023**	**9-30-2023**	0.1175	0.1175
		Highest	0.6534	0.6534

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	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	95.3852	95.3852	5.0700e-003	1.3500e-003	95.9131
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9500e-003**	**0.0420**	**0.0353**	**2.5000e-004**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**95.3852**	**95.3852**	**5.0700e-003**	**1.3500e-003**	**95.9131**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	95.3852	95.3852	5.0700e-003	1.3500e-003	95.9131
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.9500e-003**	**0.0420**	**0.0353**	**2.5000e-004**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**3.1900e-003**	**3.1900e-003**	**0.0000**	**95.3852**	**95.3852**	**5.0700e-003**	**1.3500e-003**	**95.9131**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/5/2022	5	5	
2	Grading	Grading	8/6/2022	8/17/2022	5	8	
3	Building Construction	Building Construction	8/18/2022	7/5/2023	5	230	

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4	Paving	Paving	7/6/2023	7/31/2023	5	18	
5	Architectural Coating	Architectural Coating	8/1/2023	8/24/2023	5	18	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 3.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 51,752; Non-Residential Outdoor: 17,251; Striped Parking Area: 8,494 (Architectural Coating – sqft)

OffRoad Equipment

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

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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	14.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	637.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Building Construction	9	82.00	33.00	18.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	16.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	2.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274
Total	**7.9300e-003**	**0.0827**	**0.0492**	**1.0000e-004**	**0.0491**	**4.0300e-003**	**0.0532**	**0.0253**	**3.7100e-003**	**0.0290**	**0.0000**	**8.3599**	**8.3599**	**2.7000e-003**	**0.0000**	**8.4274**

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3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.5000e-004	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0249	0.0249	0.0000	0.0000	0.0260
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	3.0000e-005	2.8000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0149	0.0149	1.0000e-005	0.0000	0.0159
Total	**9.0000e-005**	**1.8000e-004**	**3.9000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0397**	**0.0397**	**1.0000e-005**	**0.0000**	**0.0419**

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					0.0221	0.0000	0.0221	0.0114	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274
Total	**7.9300e-003**	**0.0827**	**0.0492**	**1.0000e-004**	**0.0221**	**4.0300e-003**	**0.0261**	**0.0114**	**3.7100e-003**	**0.0151**	**0.0000**	**8.3598**	**8.3598**	**2.7000e-003**	**0.0000**	**8.4274**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.5000e-004	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0249	0.0249	0.0000	0.0000	0.0260
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	3.0000e-005	2.8000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0149	0.0149	1.0000e-005	0.0000	0.0159
Total	**9.0000e-005**	**1.8000e-004**	**3.9000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0397**	**0.0397**	**1.0000e-005**	**0.0000**	**0.0419**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0286	0.0000	0.0286	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	**7.7900e-003**	**0.0834**	**0.0611**	**1.2000e-004**	**0.0286**	**3.7600e-003**	**0.0324**	**0.0137**	**3.4600e-003**	**0.0172**	**0.0000**	**10.4219**	**10.4219**	**3.3700e-003**	**0.0000**	**10.5062**

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3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	6.8700e-003	5.0800e-003	1.0000e-005	7.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	1.1311	1.1311	2.0000e-005	1.8000e-004	1.1846
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-004	4.0000e-005	3.7000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0198	0.0198	1.0000e-005	0.0000	0.0212
Total	**4.9000e-004**	**6.9100e-003**	**5.4500e-003**	**1.0000e-005**	**8.0000e-005**	**1.0000e-005**	**1.0000e-004**	**2.0000e-005**	**1.0000e-005**	**3.0000e-005**	**0.0000**	**1.1510**	**1.1510**	**3.0000e-005**	**1.8000e-004**	**1.2058**

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					0.0129	0.0000	0.0129	6.1800e-003	0.0000	6.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	**7.7900e-003**	**0.0834**	**0.0611**	**1.2000e-004**	**0.0129**	**3.7600e-003**	**0.0166**	**6.1800e-003**	**3.4600e-003**	**9.6400e-003**	**0.0000**	**10.4219**	**10.4219**	**3.3700e-003**	**0.0000**	**10.5062**

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3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	6.8700e-003	5.0800e-003	1.0000e-005	7.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	1.1311	1.1311	2.0000e-005	1.8000e-004	1.1846
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-004	4.0000e-005	3.7000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0198	0.0198	1.0000e-005	0.0000	0.0212
Total	**4.9000e-004**	**6.9100e-003**	**5.4500e-003**	**1.0000e-005**	**8.0000e-005**	**1.0000e-005**	**1.0000e-004**	**2.0000e-005**	**1.0000e-005**	**3.0000e-005**	**0.0000**	**1.1510**	**1.1510**	**3.0000e-005**	**1.8000e-004**	**1.2058**

3.4 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	0.0828	0.7574	0.7936	1.3100e-003		0.0392	0.0392		0.0369	0.0369	0.0000	112.3867	112.3867	0.0269	0.0000	113.0599
Total	**0.0828**	**0.7574**	**0.7936**	**1.3100e-003**		**0.0392**	**0.0392**		**0.0369**	**0.0369**	**0.0000**	**112.3867**	**112.3867**	**0.0269**	**0.0000**	**113.0599**

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3.4 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	8.0000e-005	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0135	0.0135	0.0000	0.0000	0.0141
Vendor	1.1700e-003	0.0224	0.0154	4.0000e-005	4.0000e-004	6.0000e-005	4.6000e-004	1.2000e-004	5.0000e-005	1.8000e-004	0.0000	3.6272	3.6272	6.0000e-005	5.7000e-004	3.7972
Worker	7.0200e-003	2.6500e-003	0.0248	1.0000e-005	7.7000e-004	2.0000e-005	8.0000e-004	2.1000e-004	2.0000e-005	2.3000e-004	0.0000	1.3135	1.3135	5.8000e-004	2.6000e-004	1.4061
Total	**8.1900e-003**	**0.0252**	**0.0403**	**5.0000e-005**	**1.1700e-003**	**8.0000e-005**	**1.2600e-003**	**3.3000e-004**	**7.0000e-005**	**4.1000e-004**	**0.0000**	**4.9542**	**4.9542**	**6.4000e-004**	**8.3000e-004**	**5.2174**

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	0.0828	0.7574	0.7936	1.3100e-003		0.0392	0.0392		0.0369	0.0369	0.0000	112.3866	112.3866	0.0269	0.0000	113.0597
Total	**0.0828**	**0.7574**	**0.7936**	**1.3100e-003**		**0.0392**	**0.0392**		**0.0369**	**0.0369**	**0.0000**	**112.3866**	**112.3866**	**0.0269**	**0.0000**	**113.0597**

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3.4 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	8.0000e-005	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0135	0.0135	0.0000	0.0000	0.0141
Vendor	1.1700e-003	0.0224	0.0154	4.0000e-005	4.0000e-004	6.0000e-005	4.6000e-004	1.2000e-004	5.0000e-005	1.8000e-004	0.0000	3.6272	3.6272	6.0000e-005	5.7000e-004	3.7972
Worker	7.0200e-003	2.6500e-003	0.0248	1.0000e-005	7.7000e-004	2.0000e-005	8.0000e-004	2.1000e-004	2.0000e-005	2.3000e-004	0.0000	1.3135	1.3135	5.8000e-004	2.6000e-004	1.4061
Total	**8.1900e-003**	**0.0252**	**0.0403**	**5.0000e-005**	**1.1700e-003**	**8.0000e-005**	**1.2600e-003**	**3.3000e-004**	**7.0000e-005**	**4.1000e-004**	**0.0000**	**4.9542**	**4.9542**	**6.4000e-004**	**8.3000e-004**	**5.2174**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1046	0.9566	1.0802	1.7900e-003		0.0465	0.0465		0.0438	0.0438	0.0000	154.1502	154.1502	0.0367	0.0000	155.0669
Total	**0.1046**	**0.9566**	**1.0802**	**1.7900e-003**		**0.0465**	**0.0465**		**0.0438**	**0.0438**	**0.0000**	**154.1502**	**154.1502**	**0.0367**	**0.0000**	**155.0669**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.1000e-004	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0178	0.0178	0.0000	0.0000	0.0187
Vendor	1.4800e-003	0.0297	0.0217	5.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.7000e-004	4.0000e-005	2.0000e-004	0.0000	4.8025	4.8025	8.0000e-005	7.5000e-004	5.0275
Worker	8.7600e-003	3.3100e-003	0.0324	2.0000e-005	1.0600e-003	3.0000e-005	1.0900e-003	2.9000e-004	3.0000e-005	3.2000e-004	0.0000	1.7426	1.7426	7.3000e-004	3.4000e-004	1.8623
Total	**0.0103**	**0.0331**	**0.0542**	**7.0000e-005**	**1.6100e-003**	**7.0000e-005**	**1.6800e-003**	**4.6000e-004**	**7.0000e-005**	**5.2000e-004**	**0.0000**	**6.5629**	**6.5629**	**8.1000e-004**	**1.0900e-003**	**6.9084**

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	0.1046	0.9566	1.0802	1.7900e-003		0.0465	0.0465		0.0438	0.0438	0.0000	154.1500	154.1500	0.0367	0.0000	155.0667
Total	**0.1046**	**0.9566**	**1.0802**	**1.7900e-003**		**0.0465**	**0.0465**		**0.0438**	**0.0438**	**0.0000**	**154.1500**	**154.1500**	**0.0367**	**0.0000**	**155.0667**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.1000e-004	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0178	0.0178	0.0000	0.0000	0.0187
Vendor	1.4800e-003	0.0297	0.0217	5.0000e-005	5.5000e-004	4.0000e-005	5.9000e-004	1.7000e-004	4.0000e-005	2.0000e-004	0.0000	4.8025	4.8025	8.0000e-005	7.5000e-004	5.0275
Worker	8.7600e-003	3.3100e-003	0.0324	2.0000e-005	1.0600e-003	3.0000e-005	1.0900e-003	2.9000e-004	3.0000e-005	3.2000e-004	0.0000	1.7426	1.7426	7.3000e-004	3.4000e-004	1.8623
Total	**0.0103**	**0.0331**	**0.0542**	**7.0000e-005**	**1.6100e-003**	**7.0000e-005**	**1.6800e-003**	**4.6000e-004**	**7.0000e-005**	**5.2000e-004**	**0.0000**	**6.5629**	**6.5629**	**8.1000e-004**	**1.0900e-003**	**6.9084**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	3.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.0791**	**0.1097**	**1.7000e-004**		**3.9200e-003**	**3.9200e-003**		**3.6200e-003**	**3.6200e-003**	**0.0000**	**14.7407**	**14.7407**	**4.6300e-003**	**0.0000**	**14.8565**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.7000e-004	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0274	0.0274	0.0000	0.0000	0.0287
Vendor	2.0000e-005	4.9000e-004	3.6000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0788	0.0788	0.0000	1.0000e-005	0.0825
Worker	2.9000e-004	1.1000e-004	1.0700e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0575	0.0575	2.0000e-005	1.0000e-005	0.0615
Total	**3.2000e-004**	**7.7000e-004**	**1.5600e-003**	**0.0000**	**4.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.1637**	**0.1637**	**2.0000e-005**	**2.0000e-005**	**0.1726**

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	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	3.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0120**	**0.0791**	**0.1097**	**1.7000e-004**		**3.9200e-003**	**3.9200e-003**		**3.6200e-003**	**3.6200e-003**	**0.0000**	**14.7407**	**14.7407**	**4.6300e-003**	**0.0000**	**14.8565**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.7000e-004	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0274	0.0274	0.0000	0.0000	0.0287
Vendor	2.0000e-005	4.9000e-004	3.6000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0788	0.0788	0.0000	1.0000e-005	0.0825
Worker	2.9000e-004	1.1000e-004	1.0700e-003	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0575	0.0575	2.0000e-005	1.0000e-005	0.0615
Total	**3.2000e-004**	**7.7000e-004**	**1.5600e-003**	**0.0000**	**4.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.1637**	**0.1637**	**2.0000e-005**	**2.0000e-005**	**0.1726**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	**0.1112**	**0.0117**	**0.0163**	**3.0000e-005**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**	**0.0000**	**2.2979**	**2.2979**	**1.4000e-004**	**0.0000**	**2.3014**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.4200e-003	3.4200e-003	0.0000	0.0000	3.5800e-003
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	9.0000e-005	8.6000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0460	0.0460	2.0000e-005	1.0000e-005	0.0492
Total	**2.3000e-004**	**1.1000e-004**	**8.8000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0494**	**0.0494**	**2.0000e-005**	**1.0000e-005**	**0.0528**

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	0.1095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	**0.1112**	**0.0117**	**0.0163**	**3.0000e-005**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**	**0.0000**	**2.2979**	**2.2979**	**1.4000e-004**	**0.0000**	**2.3014**

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.4200e-003	3.4200e-003	0.0000	0.0000	3.5800e-003
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	9.0000e-005	8.6000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0460	0.0460	2.0000e-005	1.0000e-005	0.0492
Total	**2.3000e-004**	**1.1000e-004**	**8.8000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0494**	**0.0494**	**2.0000e-005**	**1.0000e-005**	**0.0528**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Convenience Market with Gas Pumps	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	14.70	6.60	6.60	33.00	48.00	19.00	21	51	28
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Convenience Market with Gas	14.70	6.60	6.60	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	14.70	6.60	6.60	2.20	78.80	19.00	29	21	50

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down	14.70	6.60	6.60	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Supermarket	14.70	6.60	6.60	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
City Park	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Convenience Market with Gas Pumps	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Fast Food Restaurant with Drive Thru	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
High Turnover (Sit Down Restaurant)	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Other Non-Asphalt Surfaces	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Parking Lot	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Supermarket	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	49.6319	49.6319	4.1900e-003	5.1000e-004	49.8880
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	49.6319	49.6319	4.1900e-003	5.1000e-004	49.8880
NaturalGas Mitigated	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.7533	45.7533	8.8000e-004	8.4000e-004	46.0252
NaturalGas Unmitigated	4.6200e-003	0.0420	0.0353	2.5000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	45.7533	45.7533	8.8000e-004	8.4000e-004	46.0252

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	39912	2.2000e-004	1.9600e-003	1.6400e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1299	2.1299	4.0000e-005	4.0000e-005	2.1425
City Park	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
Convenience Market with Gas Pumps	16950	9.0000e-005	8.3000e-004	7.0000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.9045	0.9045	2.0000e-005	2.0000e-005	0.9099
Fast Food Restaurant with Drive Thru	336328	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9477	17.9477	3.4000e-004	3.3000e-004	18.0544
High Turnover (Sit Down Restaurant)	267084	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2526	14.2526	2.7000e-004	2.6000e-004	14.3373
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	197110	1.0600e-003	9.6600e-003	8.1200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5185	10.5185	2.0000e-004	1.9000e-004	10.5811
Total		**4.6200e-003**	**0.0420**	**0.0353**	**2.5000e-004**		**3.1900e-003**	**3.1900e-003**		**3.1900e-003**	**3.1900e-003**	**0.0000**	**45.7533**	**45.7533**	**8.7000e-004**	**8.4000e-004**	**46.0252**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	39912	2.2000e-004	1.9600e-003	1.6400e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1299	2.1299	4.0000e-005	4.0000e-005	2.1425
City Park	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
Convenience Market with Gas Pumps	16950	9.0000e-005	8.3000e-004	7.0000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.9045	0.9045	2.0000e-005	2.0000e-005	0.9099
Fast Food Restaurant with Drive Thru	336328	1.8100e-003	0.0165	0.0139	1.0000e-004		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	17.9477	17.9477	3.4000e-004	3.3000e-004	18.0544
High Turnover (Sit Down Restaurant)	267084	1.4400e-003	0.0131	0.0110	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.2526	14.2526	2.7000e-004	2.6000e-004	14.3373
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	197110	1.0600e-003	9.6600e-003	8.1200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5185	10.5185	2.0000e-004	1.9000e-004	10.5811
Total		**4.6200e-003**	**0.0420**	**0.0353**	**2.5000e-004**		**3.1900e-003**	**3.1900e-003**		**3.1900e-003**	**3.1900e-003**	**0.0000**	**45.7533**	**45.7533**	**8.7000e-004**	**8.4000e-004**	**46.0252**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	1560	0.2767	2.0000e-005	0.0000	0.2781
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	13590	2.4101	2.0000e-004	2.0000e-005	2.4226
Fast Food Restaurant with Drive Thru	17136	3.0390	2.6000e-004	3.0000e-005	3.0547
High Turnover (Sit Down Restaurant)	13608	2.4133	2.0000e-004	2.0000e-005	2.4258
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	43756	7.7599	6.5000e-004	8.0000e-005	7.8000
Supermarket	190210	33.7329	2.8500e-003	3.5000e-004	33.9069
Total		**49.6319**	**4.1800e-003**	**5.0000e-004**	**49.8880**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	1560	0.2767	2.0000e-005	0.0000	0.2781
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	13590	2.4101	2.0000e-004	2.0000e-005	2.4226
Fast Food Restaurant with Drive Thru	17136	3.0390	2.6000e-004	3.0000e-005	3.0547
High Turnover (Sit Down Restaurant)	13608	2.4133	2.0000e-004	2.0000e-005	2.4258
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	43756	7.7599	6.5000e-004	8.0000e-005	7.8000
Supermarket	190210	33.7329	2.8500e-003	3.5000e-004	33.9069
Total		**49.6319**	**4.1800e-003**	**5.0000e-004**	**49.8880**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	3.3300e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3200e-003**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.6900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3200e-003**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Supermarket	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Convenience Market with Gas Pumps	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Supermarket	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Commercial Development Construction Localized Assessment (On-site)

Tulare County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.38	Acre	0.38	16,552.80	0
Parking Lot	2.87	Acre	2.87	125,017.20	0
City Park	0.57	Acre	0.57	24,829.20	0
Fast Food Restaurant with Drive Thru	3.40	1000sqft	0.08	3,400.00	0
High Turnover (Sit Down Restaurant)	2.70	1000sqft	0.06	2,700.00	0
Automobile Care Center	2.40	1000sqft	0.06	2,400.00	0
Convenience Market with Gas Pumps	3.00	1000sqft	0.13	3,000.00	0
Supermarket	23.00	1000sqft	0.53	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Unmitigated Construction - Commercial Development Component (on-site construction emissions)

Land Use - Commercial land uses based on information provided in the project description, traffic study, and project site plan.
Gross acreage for commercial component: 4.68 acres

Construction Phase - No demolition
Assumed commercial development and residential development could overlap to present a conservative estimate of emissions.

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Localized Assessment (On-site Emissions)
Construction trip length adjusted to 0.25 mi

Grading - Site relatively flat - cut/fill expected to balance on site
Added 2,500 cy of import and 2,500 cy of export to account for miscellaneous hauling trips and to provide a conservative estimate of emissions

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Construction run only

Consumer Products - Construction run only

Area Coating - Construction run only

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII

Area Mitigation - Construction run only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblAreaCoating	ReapplicationRatePercent	10	1
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	1.31	0.00
tblEnergyUse	NT24E	2.49	0.00
tblEnergyUse	NT24E	20.65	0.00

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	NT24E	20.65	0.00
tblEnergyUse	NT24E	25.36	0.00
tblEnergyUse	T24E	0.36	0.00
tblEnergyUse	T24E	2.82	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	3.57	0.00
tblGrading	MaterialExported	0.00	2,500.00
tblGrading	MaterialImported	0.00	2,500.00
tblLandscapeEquipment	NumberSummerDays	180	1
tblLandUse	LotAcreage	0.07	0.13
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.17	0.00
tblSolidWaste	SolidWasteGenerationRate	0.05	0.00
tblSolidWaste	SolidWasteGenerationRate	9.02	0.00
tblSolidWaste	SolidWasteGenerationRate	39.16	0.00
tblSolidWaste	SolidWasteGenerationRate	32.13	0.00
tblSolidWaste	SolidWasteGenerationRate	129.72	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripNumber	0.00	14.00
tblTripsAndVMT	HaulingTripNumber	625.00	637.00
tblTripsAndVMT	HaulingTripNumber	0.00	18.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.60	0.25

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	624.20	0.00
tblVehicleTrips	ST_TR	616.12	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	ST_TR	177.62	0.00
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	624.20	0.00
tblVehicleTrips	SU_TR	472.58	0.00
tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	SU_TR	166.47	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	624.20	0.00
tblVehicleTrips	WD_TR	470.95	0.00
tblVehicleTrips	WD_TR	112.18	0.00
tblVehicleTrips	WD_TR	106.78	0.00
tblWater	IndoorWaterUseRate	225,794.66	0.00

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	IndoorWaterUseRate	222,217.56	0.00
tblWater	IndoorWaterUseRate	1,032,014.62	0.00
tblWater	IndoorWaterUseRate	819,541.02	0.00
tblWater	IndoorWaterUseRate	2,835,168.94	0.00
tblWater	OutdoorWaterUseRate	138,390.27	0.00
tblWater	OutdoorWaterUseRate	679,144.37	0.00
tblWater	OutdoorWaterUseRate	136,197.86	0.00
tblWater	OutdoorWaterUseRate	65,873.27	0.00
tblWater	OutdoorWaterUseRate	52,311.13	0.00
tblWater	OutdoorWaterUseRate	87,685.64	0.00

2.0 Emissions Summary

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2164	33.1534	19.8415	0.0382	19.6613	1.6128	21.2741	10.1036	1.4838	11.5874	0.0000	3,703.8651	3,703.8651	1.1948	0.0499	3,734.6200
2023	12.3914	14.8659	16.9960	0.0280	0.0249	0.7008	0.7257	7.0000e-003	0.6594	0.6664	0.0000	2,664.9199	2,664.9199	0.6195	0.0178	2,685.7020
Maximum	**12.3914**	**33.1534**	**19.8415**	**0.0382**	**19.6613**	**1.6128**	**21.2741**	**10.1036**	**1.4838**	**11.5874**	**0.0000**	**3,703.8651**	**3,703.8651**	**1.1948**	**0.0499**	**3,734.6200**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2164	33.1534	19.8415	0.0382	8.8499	1.6128	10.4627	4.5473	1.4838	6.0310	0.0000	3,703.8651	3,703.8651	1.1948	0.0499	3,734.6200
2023	12.3914	14.8659	16.9960	0.0280	0.0249	0.7008	0.7257	7.0000e-003	0.6594	0.6664	0.0000	2,664.9199	2,664.9199	0.6195	0.0178	2,685.7020
Maximum	**12.3914**	**33.1534**	**19.8415**	**0.0382**	**8.8499**	**1.6128**	**10.4627**	**4.5473**	**1.4838**	**6.0310**	**0.0000**	**3,703.8651**	**3,703.8651**	**1.1948**	**0.0499**	**3,734.6200**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.92	0.00	49.14	54.96	0.00	45.34	0.00	0.00	0.00	0.00	0.00	0.00

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0186	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Energy	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0439**	**0.2303**	**0.1974**	**1.3800e-003**	**0.0000**	**0.0175**	**0.0175**	**0.0000**	**0.0175**	**0.0175**		**276.3610**	**276.3610**	**5.3200e-003**	**5.0700e-003**	**278.0038**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0186	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Energy	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0439**	**0.2303**	**0.1974**	**1.3800e-003**	**0.0000**	**0.0175**	**0.0175**	**0.0000**	**0.0175**	**0.0175**		**276.3610**	**276.3610**	**5.3200e-003**	**5.0700e-003**	**278.0038**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/5/2022	5	5	
2	Grading	Grading	8/6/2022	8/17/2022	5	8	
3	Building Construction	Building Construction	8/18/2022	7/5/2023	5	230	
4	Paving	Paving	7/6/2023	7/31/2023	5	18	
5	Architectural Coating	Architectural Coating	8/1/2023	8/24/2023	5	18	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 3.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 51,752; Non-Residential Outdoor: 17,251; Striped Parking Area: 8,494 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	14.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	637.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Building Construction	9	82.00	33.00	18.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	16.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	2.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**19.6570**	**1.6126**	**21.2696**	**10.1025**	**1.4836**	**11.5860**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4600e-003	0.0586	0.0439	1.0000e-004	6.7000e-004	1.0000e-004	7.7000e-004	1.9000e-004	9.0000e-005	2.8000e-004		10.9124	10.9124	1.7000e-004	1.7200e-003	11.4281
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
Worker	0.0428	0.0113	0.0999	7.0000e-005	3.6000e-003	1.1000e-004	3.7100e-003	9.8000e-004	1.0000e-004	1.0800e-003		6.8909	6.8909	2.4700e-003	1.2500e-003	7.3264
Total	**0.0463**	**0.0699**	**0.1437**	**1.7000e-004**	**4.2700e-003**	**2.1000e-004**	**4.4800e-003**	**1.1700e-003**	**1.9000e-004**	**1.3600e-003**		**17.8033**	**17.8033**	**2.6400e-003**	**2.9700e-003**	**18.7545**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**8.8457**	**1.6126**	**10.4582**	**4.5461**	**1.4836**	**6.0297**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4600e-003	0.0586	0.0439	1.0000e-004	6.7000e-004	1.0000e-004	7.7000e-004	1.9000e-004	9.0000e-005	2.8000e-004		10.9124	10.9124	1.7000e-004	1.7200e-003	11.4281
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
Worker	0.0428	0.0113	0.0999	7.0000e-005	3.6000e-003	1.1000e-004	3.7100e-003	9.8000e-004	1.0000e-004	1.0800e-003		6.8909	6.8909	2.4700e-003	1.2500e-003	7.3264
Total	**0.0463**	**0.0699**	**0.1437**	**1.7000e-004**	**4.2700e-003**	**2.1000e-004**	**4.4800e-003**	**1.1700e-003**	**1.9000e-004**	**1.3600e-003**		**17.8033**	**17.8033**	**2.6400e-003**	**2.9700e-003**	**18.7545**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1533	0.0000	7.1533	3.4354	0.0000	3.4354			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**7.1533**	**0.9409**	**8.0941**	**3.4354**	**0.8656**	**4.3010**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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	0.0985	1.6666	1.2471	2.9300e-003	0.0191	2.7300e-003	0.0219	5.4000e-003	2.6100e-003	8.0100e-003		310.3209	310.3209	4.9500e-003	0.0488	324.9865
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
Worker	0.0357	9.4000e-003	0.0832	6.0000e-005	3.0000e-003	9.0000e-005	3.0900e-003	8.1000e-004	9.0000e-005	9.0000e-004		5.7424	5.7424	2.0600e-003	1.0500e-003	6.1053
Total	**0.1342**	**1.6760**	**1.3303**	**2.9900e-003**	**0.0221**	**2.8200e-003**	**0.0250**	**6.2100e-003**	**2.7000e-003**	**8.9100e-003**		**316.0634**	**316.0634**	**7.0100e-003**	**0.0499**	**331.0919**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2190	0.0000	3.2190	1.5460	0.0000	1.5460			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.2190**	**0.9409**	**4.1598**	**1.5460**	**0.8656**	**2.4115**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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	0.0985	1.6666	1.2471	2.9300e-003	0.0191	2.7300e-003	0.0219	5.4000e-003	2.6100e-003	8.0100e-003		310.3209	310.3209	4.9500e-003	0.0488	324.9865
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
Worker	0.0357	9.4000e-003	0.0832	6.0000e-005	3.0000e-003	9.0000e-005	3.0900e-003	8.1000e-004	9.0000e-005	9.0000e-004		5.7424	5.7424	2.0600e-003	1.0500e-003	6.1053
Total	**0.1342**	**1.6760**	**1.3303**	**2.9900e-003**	**0.0221**	**2.8200e-003**	**0.0250**	**6.2100e-003**	**2.7000e-003**	**8.9100e-003**		**316.0634**	**316.0634**	**7.0100e-003**	**0.0499**	**331.0919**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-004	1.6400e-003	1.2300e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.3050	0.3050	0.0000	5.0000e-005	0.3194
Vendor	0.0253	0.4502	0.3079	7.8000e-004	8.5000e-003	1.1600e-003	9.6600e-003	2.5400e-003	1.1100e-003	3.6400e-003		82.1783	82.1783	1.4500e-003	0.0128	86.0278
Worker	0.1951	0.0514	0.4550	3.1000e-004	0.0164	5.1000e-004	0.0169	4.4500e-003	4.7000e-004	4.9200e-003		31.3919	31.3919	0.0113	5.7100e-003	33.3757
Total	**0.2204**	**0.5032**	**0.7641**	**1.0900e-003**	**0.0249**	**1.6700e-003**	**0.0266**	**7.0000e-003**	**1.5800e-003**	**8.5700e-003**		**113.8752**	**113.8752**	**0.0127**	**0.0186**	**119.7230**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2022

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-004	1.6400e-003	1.2300e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.3050	0.3050	0.0000	5.0000e-005	0.3194
Vendor	0.0253	0.4502	0.3079	7.8000e-004	8.5000e-003	1.1600e-003	9.6600e-003	2.5400e-003	1.1100e-003	3.6400e-003		82.1783	82.1783	1.4500e-003	0.0128	86.0278
Worker	0.1951	0.0514	0.4550	3.1000e-004	0.0164	5.1000e-004	0.0169	4.4500e-003	4.7000e-004	4.9200e-003		31.3919	31.3919	0.0113	5.7100e-003	33.3757
Total	**0.2204**	**0.5032**	**0.7641**	**1.0900e-003**	**0.0249**	**1.6700e-003**	**0.0266**	**7.0000e-003**	**1.5800e-003**	**8.5700e-003**		**113.8752**	**113.8752**	**0.0127**	**0.0186**	**119.7230**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	1.5600e-003	1.2900e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.2927	0.2927	0.0000	5.0000e-005	0.3065
Vendor	0.0234	0.4327	0.3185	7.5000e-004	8.5000e-003	5.5000e-004	9.0500e-003	2.5400e-003	5.2000e-004	3.0600e-003		79.0444	79.0444	1.3700e-003	0.0123	82.7460
Worker	0.1778	0.0468	0.4322	3.0000e-004	0.0164	4.8000e-004	0.0169	4.4500e-003	4.4000e-004	4.8900e-003		30.3729	30.3729	0.0103	5.4200e-003	32.2435
Total	**0.2013**	**0.4811**	**0.7520**	**1.0500e-003**	**0.0249**	**1.0300e-003**	**0.0259**	**7.0000e-003**	**9.6000e-004**	**7.9600e-003**		**109.7100**	**109.7100**	**0.0116**	**0.0178**	**115.2960**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	1.5600e-003	1.2900e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.2927	0.2927	0.0000	5.0000e-005	0.3065
Vendor	0.0234	0.4327	0.3185	7.5000e-004	8.5000e-003	5.5000e-004	9.0500e-003	2.5400e-003	5.2000e-004	3.0600e-003		79.0444	79.0444	1.3700e-003	0.0123	82.7460
Worker	0.1778	0.0468	0.4322	3.0000e-004	0.0164	4.8000e-004	0.0169	4.4500e-003	4.4000e-004	4.8900e-003		30.3729	30.3729	0.0103	5.4200e-003	32.2435
Total	**0.2013**	**0.4811**	**0.7520**	**1.0500e-003**	**0.0249**	**1.0300e-003**	**0.0259**	**7.0000e-003**	**9.6000e-004**	**7.9600e-003**		**109.7100**	**109.7100**	**0.0116**	**0.0178**	**115.2960**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.4177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3358**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0800e-003	0.0177	0.0147	3.0000e-005	2.1000e-004	2.0000e-005	2.4000e-004	6.0000e-005	2.0000e-005	8.0000e-005		3.3243	3.3243	5.0000e-005	5.2000e-004	3.4814
Vendor	2.8400e-003	0.0524	0.0386	9.0000e-005	1.0300e-003	7.0000e-005	1.1000e-003	3.1000e-004	6.0000e-005	3.7000e-004		9.5811	9.5811	1.7000e-004	1.4900e-003	10.0298
Worker	0.0434	0.0114	0.1054	7.0000e-005	4.0000e-003	1.2000e-004	4.1100e-003	1.0900e-003	1.1000e-004	1.1900e-003		7.4080	7.4080	2.5000e-003	1.3200e-003	7.8643
Total	**0.0473**	**0.0816**	**0.1587**	**1.9000e-004**	**5.2400e-003**	**2.1000e-004**	**5.4500e-003**	**1.4600e-003**	**1.9000e-004**	**1.6400e-003**		**20.3134**	**20.3134**	**2.7200e-003**	**3.3300e-003**	**21.3755**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.4177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3358**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0800e-003	0.0177	0.0147	3.0000e-005	2.1000e-004	2.0000e-005	2.4000e-004	6.0000e-005	2.0000e-005	8.0000e-005		3.3243	3.3243	5.0000e-005	5.2000e-004	3.4814
Vendor	2.8400e-003	0.0524	0.0386	9.0000e-005	1.0300e-003	7.0000e-005	1.1000e-003	3.1000e-004	6.0000e-005	3.7000e-004		9.5811	9.5811	1.7000e-004	1.4900e-003	10.0298
Worker	0.0434	0.0114	0.1054	7.0000e-005	4.0000e-003	1.2000e-004	4.1100e-003	1.0900e-003	1.1000e-004	1.1900e-003		7.4080	7.4080	2.5000e-003	1.3200e-003	7.8643
Total	**0.0473**	**0.0816**	**0.1587**	**1.9000e-004**	**5.2400e-003**	**2.1000e-004**	**5.4500e-003**	**1.4600e-003**	**1.9000e-004**	**1.6400e-003**		**20.3134**	**20.3134**	**2.7200e-003**	**3.3300e-003**	**21.3755**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.1649					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**12.3566**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3000e-004	2.2100e-003	1.8400e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.4155	0.4155	1.0000e-005	7.0000e-005	0.4352
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
Worker	0.0347	9.1400e-003	0.0843	6.0000e-005	3.2000e-003	9.0000e-005	3.2900e-003	8.7000e-004	9.0000e-005	9.5000e-004		5.9264	5.9264	2.0000e-003	1.0600e-003	6.2914
Total	**0.0348**	**0.0114**	**0.0862**	**6.0000e-005**	**3.2300e-003**	**9.0000e-005**	**3.3200e-003**	**8.8000e-004**	**9.0000e-005**	**9.6000e-004**		**6.3420**	**6.3420**	**2.0100e-003**	**1.1300e-003**	**6.7266**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.1649					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**12.3566**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3000e-004	2.2100e-003	1.8400e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.4155	0.4155	1.0000e-005	7.0000e-005	0.4352
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
Worker	0.0347	9.1400e-003	0.0843	6.0000e-005	3.2000e-003	9.0000e-005	3.2900e-003	8.7000e-004	9.0000e-005	9.5000e-004		5.9264	5.9264	2.0000e-003	1.0600e-003	6.2914
Total	**0.0348**	**0.0114**	**0.0862**	**6.0000e-005**	**3.2300e-003**	**9.0000e-005**	**3.3200e-003**	**8.8000e-004**	**9.0000e-005**	**9.6000e-004**		**6.3420**	**6.3420**	**2.0100e-003**	**1.1300e-003**	**6.7266**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Convenience Market with Gas Pumps	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	14.70	6.60	6.60	33.00	48.00	19.00	21	51	28
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Convenience Market with Gas	14.70	6.60	6.60	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	14.70	6.60	6.60	2.20	78.80	19.00	29	21	50
High Turnover (Sit Down	14.70	6.60	6.60	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Supermarket	14.70	6.60	6.60	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
City Park	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Convenience Market with Gas Pumps	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Fast Food Restaurant with Drive Thru	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
High Turnover (Sit Down Restaurant)	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Other Non-Asphalt Surfaces	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Parking Lot	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Supermarket	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
NaturalGas Unmitigated	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	109.348	1.1800e-003	0.0107	9.0100e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004		12.8645	12.8645	2.5000e-004	2.4000e-004	12.9409
City Park	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
Convenience Market with Gas Pumps	46.4384	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		5.4633	5.4633	1.0000e-004	1.0000e-004	5.4958
Fast Food Restaurant with Drive Thru	921.447	9.9400e-003	0.0903	0.0759	5.4000e-004		6.8700e-003	6.8700e-003		6.8700e-003	6.8700e-003		108.4055	108.4055	2.0800e-003	1.9900e-003	109.0497
High Turnover (Sit Down Restaurant)	731.737	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		86.0867	86.0867	1.6500e-003	1.5800e-003	86.5983
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	540.027	5.8200e-003	0.0529	0.0445	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.5326	63.5326	1.2200e-003	1.1600e-003	63.9102
Total		**0.0253**	**0.2303**	**0.1934**	**1.3800e-003**		**0.0175**	**0.0175**		**0.0175**	**0.0175**		**276.3526**	**276.3526**	**5.3000e-003**	**5.0700e-003**	**277.9948**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	0.109348	1.1800e-003	0.0107	9.0100e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004		12.8645	12.8645	2.5000e-004	2.4000e-004	12.9409
City Park	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
Convenience Market with Gas Pumps	0.0464384	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		5.4633	5.4633	1.0000e-004	1.0000e-004	5.4958
Fast Food Restaurant with Drive Thru	0.921447	9.9400e-003	0.0903	0.0759	5.4000e-004		6.8700e-003	6.8700e-003		6.8700e-003	6.8700e-003		108.4055	108.4055	2.0800e-003	1.9900e-003	109.0497
High Turnover (Sit Down Restaurant)	0.731737	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		86.0867	86.0867	1.6500e-003	1.5800e-003	86.5983
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0.540027	5.8200e-003	0.0529	0.0445	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.5326	63.5326	1.2200e-003	1.1600e-003	63.9102
Total		**0.0253**	**0.2303**	**0.1934**	**1.3800e-003**		**0.0175**	**0.0175**		**0.0175**	**0.0175**		**276.3526**	**276.3526**	**5.3000e-003**	**5.0700e-003**	**277.9948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0186	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Unmitigated	0.0186	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-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	lb/day										lb/day					
Architectural Coating	0.0148					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6000e-004	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Total	**0.0186**	**4.0000e-005**	**3.9100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.3900e-003**	**8.3900e-003**	**2.0000e-005**		**8.9400e-003**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0148					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6000e-004	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Total	**0.0186**	**4.0000e-005**	**3.9100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.3900e-003**	**8.3900e-003**	**2.0000e-005**		**8.9400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Commercial Development Construction Localized Assessment (On-site)

Tulare County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.38	Acre	0.38	16,552.80	0
Parking Lot	2.87	Acre	2.87	125,017.20	0
City Park	0.57	Acre	0.57	24,829.20	0
Fast Food Restaurant with Drive Thru	3.40	1000sqft	0.08	3,400.00	0
High Turnover (Sit Down Restaurant)	2.70	1000sqft	0.06	2,700.00	0
Automobile Care Center	2.40	1000sqft	0.06	2,400.00	0
Convenience Market with Gas Pumps	3.00	1000sqft	0.13	3,000.00	0
Supermarket	23.00	1000sqft	0.53	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Unmitigated Construction - Commercial Development Component (on-site construction emissions)

Land Use - Commercial land uses based on information provided in the project description, traffic study, and project site plan.
Gross acreage for commercial component: 4.68 acres

Construction Phase - No demolition
Assumed commercial development and residential development could overlap to present a conservative estimate of emissions.

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Localized Assessment (On-site Emissions)
Construction trip length adjusted to 0.25 mi

Grading - Site relatively flat - cut/fill expected to balance on site
Added 2,500 cy of import and 2,500 cy of export to account for miscellaneous hauling trips and to provide a conservative estimate of emissions

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Construction run only

Consumer Products - Construction run only

Area Coating - Construction run only

Landscape Equipment - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Compliance with SJVAPCD Regulation VIII

Area Mitigation - Construction run only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblAreaCoating	ReapplicationRatePercent	10	1
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	2.14E-05	1E-07
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-11
tblEnergyUse	NT24E	1.31	0.00
tblEnergyUse	NT24E	2.49	0.00
tblEnergyUse	NT24E	20.65	0.00

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	NT24E	20.65	0.00
tblEnergyUse	NT24E	25.36	0.00
tblEnergyUse	T24E	0.36	0.00
tblEnergyUse	T24E	2.82	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	6.97	0.00
tblEnergyUse	T24E	3.57	0.00
tblGrading	MaterialExported	0.00	2,500.00
tblGrading	MaterialImported	0.00	2,500.00
tblLandscapeEquipment	NumberSummerDays	180	1
tblLandUse	LotAcreage	0.07	0.13
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	9.17	0.00
tblSolidWaste	SolidWasteGenerationRate	0.05	0.00
tblSolidWaste	SolidWasteGenerationRate	9.02	0.00
tblSolidWaste	SolidWasteGenerationRate	39.16	0.00
tblSolidWaste	SolidWasteGenerationRate	32.13	0.00
tblSolidWaste	SolidWasteGenerationRate	129.72	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripLength	20.00	0.25
tblTripsAndVMT	HaulingTripNumber	0.00	14.00
tblTripsAndVMT	HaulingTripNumber	625.00	637.00
tblTripsAndVMT	HaulingTripNumber	0.00	18.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripLength	6.60	0.25

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripLength	6.60	0.25
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblTripsAndVMT	WorkerTripLength	16.80	0.25
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	624.20	0.00
tblVehicleTrips	ST_TR	616.12	0.00
tblVehicleTrips	ST_TR	122.40	0.00
tblVehicleTrips	ST_TR	177.62	0.00
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	624.20	0.00
tblVehicleTrips	SU_TR	472.58	0.00
tblVehicleTrips	SU_TR	142.64	0.00
tblVehicleTrips	SU_TR	166.47	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	624.20	0.00
tblVehicleTrips	WD_TR	470.95	0.00
tblVehicleTrips	WD_TR	112.18	0.00
tblVehicleTrips	WD_TR	106.78	0.00
tblWater	IndoorWaterUseRate	225,794.66	0.00

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblWater	IndoorWaterUseRate	222,217.56	0.00
tblWater	IndoorWaterUseRate	1,032,014.62	0.00
tblWater	IndoorWaterUseRate	819,541.02	0.00
tblWater	IndoorWaterUseRate	2,835,168.94	0.00
tblWater	OutdoorWaterUseRate	138,390.27	0.00
tblWater	OutdoorWaterUseRate	679,144.37	0.00
tblWater	OutdoorWaterUseRate	136,197.86	0.00
tblWater	OutdoorWaterUseRate	65,873.27	0.00
tblWater	OutdoorWaterUseRate	52,311.13	0.00
tblWater	OutdoorWaterUseRate	87,685.64	0.00

2.0 Emissions Summary

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2015	33.1593	19.8765	0.0382	19.6613	1.6128	21.2741	10.1036	1.4838	11.5874	0.0000	3,703.5352	3,703.5352	1.1957	0.0505	3,734.3611
2023	12.3795	14.9041	17.1580	0.0280	0.0249	0.7008	0.7257	7.0000e-003	0.6594	0.6664	0.0000	2,664.2987	2,664.2987	0.6231	0.0186	2,685.4279
Maximum	**12.3795**	**33.1593**	**19.8765**	**0.0382**	**19.6613**	**1.6128**	**21.2741**	**10.1036**	**1.4838**	**11.5874**	**0.0000**	**3,703.5352**	**3,703.5352**	**1.1957**	**0.0505**	**3,734.3611**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2015	33.1593	19.8765	0.0382	8.8499	1.6128	10.4627	4.5473	1.4838	6.0310	0.0000	3,703.5352	3,703.5352	1.1957	0.0505	3,734.3611
2023	12.3795	14.9041	17.1580	0.0280	0.0249	0.7008	0.7257	7.0000e-003	0.6594	0.6664	0.0000	2,664.2987	2,664.2987	0.6231	0.0186	2,685.4279
Maximum	**12.3795**	**33.1593**	**19.8765**	**0.0382**	**8.8499**	**1.6128**	**10.4627**	**4.5473**	**1.4838**	**6.0310**	**0.0000**	**3,703.5352**	**3,703.5352**	**1.1957**	**0.0505**	**3,734.3611**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.92	0.00	49.14	54.96	0.00	45.34	0.00	0.00	0.00	0.00	0.00	0.00

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0186	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Energy	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0439**	**0.2303**	**0.1974**	**1.3800e-003**	**0.0000**	**0.0175**	**0.0175**	**0.0000**	**0.0175**	**0.0175**		**276.3610**	**276.3610**	**5.3200e-003**	**5.0700e-003**	**278.0038**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0186	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Energy	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0439**	**0.2303**	**0.1974**	**1.3800e-003**	**0.0000**	**0.0175**	**0.0175**	**0.0000**	**0.0175**	**0.0175**		**276.3610**	**276.3610**	**5.3200e-003**	**5.0700e-003**	**278.0038**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/5/2022	5	5	
2	Grading	Grading	8/6/2022	8/17/2022	5	8	
3	Building Construction	Building Construction	8/18/2022	7/5/2023	5	230	
4	Paving	Paving	7/6/2023	7/31/2023	5	18	
5	Architectural Coating	Architectural Coating	8/1/2023	8/24/2023	5	18	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 3.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 51,752; Non-Residential Outdoor: 17,251; Striped Parking Area: 8,494 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	14.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	637.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Building Construction	9	82.00	33.00	18.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	16.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	2.00	0.25	0.25	0.25	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**19.6570**	**1.6126**	**21.2696**	**10.1025**	**1.4836**	**11.5860**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.0900e-003	0.0626	0.0459	1.0000e-004	6.7000e-004	1.0000e-004	7.8000e-004	1.9000e-004	1.0000e-004	2.9000e-004		11.0290	11.0290	1.6000e-004	1.7300e-003	11.5497
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
Worker	0.0282	0.0132	0.1328	6.0000e-005	3.6000e-003	1.1000e-004	3.7100e-003	9.8000e-004	1.0000e-004	1.0800e-003		6.4444	6.4444	3.3600e-003	1.4000e-003	6.9458
Total	**0.0313**	**0.0758**	**0.1787**	**1.6000e-004**	**4.2700e-003**	**2.1000e-004**	**4.4900e-003**	**1.1700e-003**	**2.0000e-004**	**1.3700e-003**		**17.4734**	**17.4734**	**3.5200e-003**	**3.1300e-003**	**18.4955**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**8.8457**	**1.6126**	**10.4582**	**4.5461**	**1.4836**	**6.0297**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.0900e-003	0.0626	0.0459	1.0000e-004	6.7000e-004	1.0000e-004	7.8000e-004	1.9000e-004	1.0000e-004	2.9000e-004		11.0290	11.0290	1.6000e-004	1.7300e-003	11.5497
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
Worker	0.0282	0.0132	0.1328	6.0000e-005	3.6000e-003	1.1000e-004	3.7100e-003	9.8000e-004	1.0000e-004	1.0800e-003		6.4444	6.4444	3.3600e-003	1.4000e-003	6.9458
Total	**0.0313**	**0.0758**	**0.1787**	**1.6000e-004**	**4.2700e-003**	**2.1000e-004**	**4.4900e-003**	**1.1700e-003**	**2.0000e-004**	**1.3700e-003**		**17.4734**	**17.4734**	**3.5200e-003**	**3.1300e-003**	**18.4955**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1533	0.0000	7.1533	3.4354	0.0000	3.4354			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**7.1533**	**0.9409**	**8.0941**	**3.4354**	**0.8656**	**4.3010**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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	0.0878	1.7792	1.3041	2.9600e-003	0.0191	2.9200e-003	0.0221	5.4000e-003	2.8000e-003	8.1900e-003		313.6364	313.6364	4.4500e-003	0.0493	328.4448
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
Worker	0.0235	0.0110	0.1107	5.0000e-005	3.0000e-003	9.0000e-005	3.0900e-003	8.1000e-004	9.0000e-005	9.0000e-004		5.3703	5.3703	2.8000e-003	1.1700e-003	5.7882
Total	**0.1113**	**1.7902**	**1.4148**	**3.0100e-003**	**0.0221**	**3.0100e-003**	**0.0252**	**6.2100e-003**	**2.8900e-003**	**9.0900e-003**		**319.0068**	**319.0068**	**7.2500e-003**	**0.0505**	**334.2330**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2190	0.0000	3.2190	1.5460	0.0000	1.5460			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**3.2190**	**0.9409**	**4.1598**	**1.5460**	**0.8656**	**2.4115**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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	0.0878	1.7792	1.3041	2.9600e-003	0.0191	2.9200e-003	0.0221	5.4000e-003	2.8000e-003	8.1900e-003		313.6364	313.6364	4.4500e-003	0.0493	328.4448
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
Worker	0.0235	0.0110	0.1107	5.0000e-005	3.0000e-003	9.0000e-005	3.0900e-003	8.1000e-004	9.0000e-005	9.0000e-004		5.3703	5.3703	2.8000e-003	1.1700e-003	5.7882
Total	**0.1113**	**1.7902**	**1.4148**	**3.0100e-003**	**0.0221**	**3.0100e-003**	**0.0252**	**6.2100e-003**	**2.8900e-003**	**9.0900e-003**		**319.0068**	**319.0068**	**7.2500e-003**	**0.0505**	**334.2330**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 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**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	1.7500e-003	1.2800e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.3083	0.3083	0.0000	5.0000e-005	0.3228
Vendor	0.0230	0.4759	0.3292	7.8000e-004	8.5000e-003	1.2200e-003	9.7200e-003	2.5400e-003	1.1700e-003	3.7000e-003		82.8033	82.8033	1.3900e-003	0.0129	86.6858
Worker	0.1287	0.0602	0.6052	2.9000e-004	0.0164	5.1000e-004	0.0169	4.4500e-003	4.7000e-004	4.9200e-003		29.3578	29.3578	0.0153	6.3800e-003	31.6421
Total	**0.1518**	**0.5378**	**0.9356**	**1.0700e-003**	**0.0249**	**1.7300e-003**	**0.0266**	**7.0000e-003**	**1.6400e-003**	**8.6300e-003**		**112.4693**	**112.4693**	**0.0167**	**0.0193**	**118.6507**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2022

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	1.7500e-003	1.2800e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.3083	0.3083	0.0000	5.0000e-005	0.3228
Vendor	0.0230	0.4759	0.3292	7.8000e-004	8.5000e-003	1.2200e-003	9.7200e-003	2.5400e-003	1.1700e-003	3.7000e-003		82.8033	82.8033	1.3900e-003	0.0129	86.6858
Worker	0.1287	0.0602	0.6052	2.9000e-004	0.0164	5.1000e-004	0.0169	4.4500e-003	4.7000e-004	4.9200e-003		29.3578	29.3578	0.0153	6.3800e-003	31.6421
Total	**0.1518**	**0.5378**	**0.9356**	**1.0700e-003**	**0.0249**	**1.7300e-003**	**0.0266**	**7.0000e-003**	**1.6400e-003**	**8.6300e-003**		**112.4693**	**112.4693**	**0.0167**	**0.0193**	**118.6507**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	8.0000e-005	1.6900e-003	1.3300e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.2989	0.2989	0.0000	5.0000e-005	0.3130
Vendor	0.0208	0.4627	0.3359	7.6000e-004	8.5000e-003	5.8000e-004	9.0900e-003	2.5400e-003	5.6000e-004	3.0900e-003		80.3860	80.3860	1.2900e-003	0.0125	84.1537
Worker	0.1169	0.0548	0.5768	2.8000e-004	0.0164	4.8000e-004	0.0169	4.4500e-003	4.4000e-004	4.8900e-003		28.4039	28.4039	0.0140	6.0500e-003	30.5551
Total	**0.1377**	**0.5192**	**0.9140**	**1.0400e-003**	**0.0249**	**1.0600e-003**	**0.0260**	**7.0000e-003**	**1.0000e-003**	**7.9900e-003**		**109.0888**	**109.0888**	**0.0153**	**0.0186**	**115.0218**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	8.0000e-005	1.6900e-003	1.3300e-003	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.2989	0.2989	0.0000	5.0000e-005	0.3130
Vendor	0.0208	0.4627	0.3359	7.6000e-004	8.5000e-003	5.8000e-004	9.0900e-003	2.5400e-003	5.6000e-004	3.0900e-003		80.3860	80.3860	1.2900e-003	0.0125	84.1537
Worker	0.1169	0.0548	0.5768	2.8000e-004	0.0164	4.8000e-004	0.0169	4.4500e-003	4.4000e-004	4.8900e-003		28.4039	28.4039	0.0140	6.0500e-003	30.5551
Total	**0.1377**	**0.5192**	**0.9140**	**1.0400e-003**	**0.0249**	**1.0600e-003**	**0.0260**	**7.0000e-003**	**1.0000e-003**	**7.9900e-003**		**109.0888**	**109.0888**	**0.0153**	**0.0186**	**115.0218**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.4177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3358**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.4000e-004	0.0192	0.0152	3.0000e-005	2.1000e-004	2.0000e-005	2.4000e-004	6.0000e-005	2.0000e-005	8.0000e-005		3.3951	3.3951	5.0000e-005	5.3000e-004	3.5554
Vendor	2.5200e-003	0.0561	0.0407	9.0000e-005	1.0300e-003	7.0000e-005	1.1000e-003	3.1000e-004	7.0000e-005	3.8000e-004		9.7438	9.7438	1.6000e-004	1.5200e-003	10.2004
Worker	0.0285	0.0134	0.1407	7.0000e-005	4.0000e-003	1.2000e-004	4.1100e-003	1.0900e-003	1.1000e-004	1.1900e-003		6.9278	6.9278	3.4000e-003	1.4800e-003	7.4525
Total	**0.0320**	**0.0887**	**0.1966**	**1.9000e-004**	**5.2400e-003**	**2.1000e-004**	**5.4500e-003**	**1.4600e-003**	**2.0000e-004**	**1.6500e-003**		**20.0666**	**20.0666**	**3.6100e-003**	**3.5300e-003**	**21.2083**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.4177					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3358**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.4000e-004	0.0192	0.0152	3.0000e-005	2.1000e-004	2.0000e-005	2.4000e-004	6.0000e-005	2.0000e-005	8.0000e-005		3.3951	3.3951	5.0000e-005	5.3000e-004	3.5554
Vendor	2.5200e-003	0.0561	0.0407	9.0000e-005	1.0300e-003	7.0000e-005	1.1000e-003	3.1000e-004	7.0000e-005	3.8000e-004		9.7438	9.7438	1.6000e-004	1.5200e-003	10.2004
Worker	0.0285	0.0134	0.1407	7.0000e-005	4.0000e-003	1.2000e-004	4.1100e-003	1.0900e-003	1.1000e-004	1.1900e-003		6.9278	6.9278	3.4000e-003	1.4800e-003	7.4525
Total	**0.0320**	**0.0887**	**0.1966**	**1.9000e-004**	**5.2400e-003**	**2.1000e-004**	**5.4500e-003**	**1.4600e-003**	**2.0000e-004**	**1.6500e-003**		**20.0666**	**20.0666**	**3.6100e-003**	**3.5300e-003**	**21.2083**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.1649					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**12.3566**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2000e-004	2.4000e-003	1.8900e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.4244	0.4244	1.0000e-005	7.0000e-005	0.4444
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
Worker	0.0228	0.0107	0.1126	5.0000e-005	3.2000e-003	9.0000e-005	3.2900e-003	8.7000e-004	9.0000e-005	9.5000e-004		5.5422	5.5422	2.7200e-003	1.1800e-003	5.9620
Total	**0.0229**	**0.0131**	**0.1144**	**5.0000e-005**	**3.2300e-003**	**9.0000e-005**	**3.3200e-003**	**8.8000e-004**	**9.0000e-005**	**9.6000e-004**		**5.9666**	**5.9666**	**2.7300e-003**	**1.2500e-003**	**6.4064**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.1649					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**12.3566**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2000e-004	2.4000e-003	1.8900e-003	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005		0.4244	0.4244	1.0000e-005	7.0000e-005	0.4444
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
Worker	0.0228	0.0107	0.1126	5.0000e-005	3.2000e-003	9.0000e-005	3.2900e-003	8.7000e-004	9.0000e-005	9.5000e-004		5.5422	5.5422	2.7200e-003	1.1800e-003	5.9620
Total	**0.0229**	**0.0131**	**0.1144**	**5.0000e-005**	**3.2300e-003**	**9.0000e-005**	**3.3200e-003**	**8.8000e-004**	**9.0000e-005**	**9.6000e-004**		**5.9666**	**5.9666**	**2.7300e-003**	**1.2500e-003**	**6.4064**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Convenience Market with Gas Pumps	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	14.70	6.60	6.60	33.00	48.00	19.00	21	51	28
City Park	14.70	6.60	6.60	33.00	48.00	19.00	66	28	6
Convenience Market with Gas	14.70	6.60	6.60	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	14.70	6.60	6.60	2.20	78.80	19.00	29	21	50
High Turnover (Sit Down	14.70	6.60	6.60	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Supermarket	14.70	6.60	6.60	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
City Park	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Convenience Market with Gas Pumps	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Fast Food Restaurant with Drive Thru	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
High Turnover (Sit Down Restaurant)	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Other Non-Asphalt Surfaces	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Parking Lot	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Supermarket	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
NaturalGas Unmitigated	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	109.348	1.1800e-003	0.0107	9.0100e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004		12.8645	12.8645	2.5000e-004	2.4000e-004	12.9409
City Park	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
Convenience Market with Gas Pumps	46.4384	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		5.4633	5.4633	1.0000e-004	1.0000e-004	5.4958
Fast Food Restaurant with Drive Thru	921.447	9.9400e-003	0.0903	0.0759	5.4000e-004		6.8700e-003	6.8700e-003		6.8700e-003	6.8700e-003		108.4055	108.4055	2.0800e-003	1.9900e-003	109.0497
High Turnover (Sit Down Restaurant)	731.737	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		86.0867	86.0867	1.6500e-003	1.5800e-003	86.5983
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	540.027	5.8200e-003	0.0529	0.0445	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.5326	63.5326	1.2200e-003	1.1600e-003	63.9102
Total		**0.0253**	**0.2303**	**0.1934**	**1.3800e-003**		**0.0175**	**0.0175**		**0.0175**	**0.0175**		**276.3526**	**276.3526**	**5.3000e-003**	**5.0700e-003**	**277.9948**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	0.109348	1.1800e-003	0.0107	9.0100e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004		12.8645	12.8645	2.5000e-004	2.4000e-004	12.9409
City Park	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
Convenience Market with Gas Pumps	0.0464384	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		5.4633	5.4633	1.0000e-004	1.0000e-004	5.4958
Fast Food Restaurant with Drive Thru	0.921447	9.9400e-003	0.0903	0.0759	5.4000e-004		6.8700e-003	6.8700e-003		6.8700e-003	6.8700e-003		108.4055	108.4055	2.0800e-003	1.9900e-003	109.0497
High Turnover (Sit Down Restaurant)	0.731737	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		86.0867	86.0867	1.6500e-003	1.5800e-003	86.5983
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0.540027	5.8200e-003	0.0529	0.0445	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.5326	63.5326	1.2200e-003	1.1600e-003	63.9102
Total		**0.0253**	**0.2303**	**0.1934**	**1.3800e-003**		**0.0175**	**0.0175**		**0.0175**	**0.0175**		**276.3526**	**276.3526**	**5.3000e-003**	**5.0700e-003**	**277.9948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0186	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Unmitigated	0.0186	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-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	lb/day										lb/day					
Architectural Coating	0.0148					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6000e-004	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Total	**0.0186**	**4.0000e-005**	**3.9100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.3900e-003**	**8.3900e-003**	**2.0000e-005**		**8.9400e-003**

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0148					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6000e-004	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Total	**0.0186**	**4.0000e-005**	**3.9100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.3900e-003**	**8.3900e-003**	**2.0000e-005**		**8.9400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Commercial Development Construction Localized Assessment (On-site) - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Multi-family Residential - Localized Assessment

Tulare County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	20.00	1000sqft	0.46	20,000.00	0
Apartments Low Rise	48.00	Dwelling Unit	2.24	85,500.00	137

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations only - Localized Assessment (On-site Emissions)
Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023)

Land Use - 48 dwelling units (building square footage increased compared to default values based on project-specific information provided in the site plan)
Additional building to account for amenities and leasing office
2.70 acres

Construction Phase - Operational run only (construction assessed separately)

Off-road Equipment - Operational run only (zeroed out construction equipment usage)

Trips and VMT - Operational run only

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - ITE Trip Generation Manual, 11th Edition rates for the ITE Land Use 220, consistent with the project-specific traffic study.
Trip lengths updated to 0.21 mile to account for on-site emissions from mobile sources.

Woodstoves - SJVAPCD Rule 4901 Woodburning

Area Coating - Rule 4601 Architectural Coatings

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Area Mitigation - Rule 4601 Architectural Coatings, building code standards (outside outlets), and no woodburning fireplaces (only natural gas hearth)

Energy Mitigation -

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Fleet Mix - SJVAPCD-approved Residential Fleet Mix (2023 operational year mix)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	150	50
tblConstructionPhase	NumDays	10.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.50	0.53
tblFleetMix	LDT1	0.05	0.21
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LHD1	0.03	1.1000e-003
tblFleetMix	LHD2	8.2580e-003	9.0000e-004
tblFleetMix	MCY	0.02	2.5000e-003
tblFleetMix	MDV	0.18	0.06
tblFleetMix	MH	3.7510e-003	1.9000e-003
tblFleetMix	MHD	0.01	8.5000e-003
tblFleetMix	OBUS	6.4600e-004	0.00
tblFleetMix	SBUS	1.5020e-003	4.0000e-004
tblFleetMix	UBUS	4.7100e-004	4.3000e-003

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	48,000.00	85,500.00
tblLandUse	LotAcreage	3.00	2.24
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	9.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.90	0.21
tblVehicleTrips	HS_TL	7.10	0.21
tblVehicleTrips	HW_TL	16.80	0.21
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	8.14	4.55
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.28	3.86
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	7.32	6.74
tblVehicleTrips	WD_TR	32.93	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8936	0.4836	4.1493	3.0000e-003		0.0573	0.0573		0.0573	0.0573	0.0000	566.1937	566.1937	0.0176	0.0103	569.6876
Energy	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
Mobile	0.7025	0.3246	1.6907	1.1000e-003	0.0520	1.8000e-003	0.0538	0.0139	1.6600e-003	0.0155		113.2389	113.2389	0.0401	0.0241	121.4268
Total	**3.6288**	**1.0929**	**5.9982**	**5.8800e-003**	**0.0520**	**0.0817**	**0.1338**	**0.0139**	**0.0816**	**0.0954**	**0.0000**	**1,036.0409**	**1,036.0409**	**0.0645**	**0.0409**	**1,049.8418**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5988	0.4833	4.1208	3.0000e-003		0.0572	0.0572		0.0572	0.0572	0.0000	566.1294	566.1294	0.0175	0.0103	569.6209
Energy	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
Mobile	0.7025	0.3246	1.6907	1.1000e-003	0.0520	1.8000e-003	0.0538	0.0139	1.6600e-003	0.0155		113.2389	113.2389	0.0401	0.0241	121.4268
Total	**3.3339**	**1.0926**	**5.9696**	**5.8800e-003**	**0.0520**	**0.0816**	**0.1336**	**0.0139**	**0.0814**	**0.0953**	**0.0000**	**1,035.9766**	**1,035.9766**	**0.0645**	**0.0409**	**1,049.7751**

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	8.13	0.03	0.48	0.00	0.00	0.21	0.13	0.00	0.21	0.18	0.00	0.01	0.01	0.14	0.00	0.01

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	8/1/2022	7/31/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 173,138; Residential Outdoor: 57,713; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

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

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2022

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7025	0.3246	1.6907	1.1000e-003	0.0520	1.8000e-003	0.0538	0.0139	1.6600e-003	0.0155		113.2389	113.2389	0.0401	0.0241	121.4268
Unmitigated	0.7025	0.3246	1.6907	1.1000e-003	0.0520	1.8000e-003	0.0538	0.0139	1.6600e-003	0.0155		113.2389	113.2389	0.0401	0.0241	121.4268

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	323.52	218.40	185.28	22,072	22,072
Health Club	0.00	0.00	0.00		
Total	323.52	218.40	185.28	22,072	22,072

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	0.21	0.21	0.21	38.40	22.60	39.00	100	0	0
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Health Club	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Apartments Low Rise	0.530500	0.205800	0.167300	0.055000	0.001100	0.000900	0.008500	0.021800	0.000000	0.004300	0.002500	0.000400	0.001900

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
NaturalGas Unmitigated	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2119.94	0.0229	0.1954	0.0831	1.2500e-003		0.0158	0.0158		0.0158	0.0158		249.4044	249.4044	4.7800e-003	4.5700e-003	250.8865
Health Club	911.233	9.8300e-003	0.0893	0.0750	5.4000e-004		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003		107.2039	107.2039	2.0500e-003	1.9700e-003	107.8409
Total		**0.0327**	**0.2847**	**0.1582**	**1.7900e-003**		**0.0226**	**0.0226**		**0.0226**	**0.0226**		**356.6083**	**356.6083**	**6.8300e-003**	**6.5400e-003**	**358.7275**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.11994	0.0229	0.1954	0.0831	1.2500e-003		0.0158	0.0158		0.0158	0.0158		249.4044	249.4044	4.7800e-003	4.5700e-003	250.8865
Health Club	0.911233	9.8300e-003	0.0893	0.0750	5.4000e-004		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003		107.2039	107.2039	2.0500e-003	1.9700e-003	107.8409
Total		**0.0327**	**0.2847**	**0.1582**	**1.7900e-003**		**0.0226**	**0.0226**		**0.0226**	**0.0226**		**356.6083**	**356.6083**	**6.8300e-003**	**6.5400e-003**	**358.7275**

6.0 Area Detail

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5988	0.4833	4.1208	3.0000e-003		0.0572	0.0572		0.0572	0.0572	0.0000	566.1294	566.1294	0.0175	0.0103	569.6209
Unmitigated	2.8936	0.4836	4.1493	3.0000e-003		0.0573	0.0573		0.0573	0.0573	0.0000	566.1937	566.1937	0.0176	0.0103	569.6876

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.4651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0513	0.4379	0.1864	2.8000e-003		0.0354	0.0354		0.0354	0.0354	0.0000	559.0588	559.0588	0.0107	0.0103	562.3810
Landscaping	0.1195	0.0457	3.9630	2.1000e-004		0.0219	0.0219		0.0219	0.0219		7.1349	7.1349	6.8700e-003		7.3066
Total	**2.8936**	**0.4836**	**4.1493**	**3.0100e-003**		**0.0573**	**0.0573**		**0.0573**	**0.0573**	**0.0000**	**566.1937**	**566.1937**	**0.0176**	**0.0103**	**569.6876**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0513	0.4379	0.1864	2.8000e-003		0.0354	0.0354		0.0354	0.0354	0.0000	559.0588	559.0588	0.0107	0.0103	562.3810
Landscaping	0.1178	0.0454	3.9344	2.1000e-004		0.0218	0.0218		0.0218	0.0218		7.0706	7.0706	6.7700e-003		7.2399
Total	**2.5988**	**0.4833**	**4.1208**	**3.0100e-003**		**0.0572**	**0.0572**		**0.0572**	**0.0572**	**0.0000**	**566.1294**	**566.1294**	**0.0175**	**0.0103**	**569.6209**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Multi-family Residential - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Multi-family Residential - Localized Assessment

Tulare County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	20.00	1000sqft	0.46	20,000.00	0
Apartments Low Rise	48.00	Dwelling Unit	2.24	85,500.00	137

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations only - Localized Assessment (On-site Emissions)
Multi-family Residential - Full Buildout Operations in the Earliest Operational Year (2023)

Land Use - 48 dwelling units (building square footage increased compared to default values based on project-specific information provided in the site plan)
Additional building to account for amenities and leasing office
2.70 acres

Construction Phase - Operational run only (construction assessed separately)

Off-road Equipment - Operational run only (zeroed out construction equipment usage)

Trips and VMT - Operational run only

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - ITE Trip Generation Manual, 11th Edition rates for the ITE Land Use 220, consistent with the project-specific traffic study.
Trip lengths updated to 0.21 mile to account for on-site emissions from mobile sources.

Woodstoves - SJVAPCD Rule 4901 Woodburning

Area Coating - Rule 4601 Architectural Coatings

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Area Mitigation - Rule 4601 Architectural Coatings, building code standards (outside outlets), and no woodburning fireplaces (only natural gas hearth)

Energy Mitigation -

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Fleet Mix - SJVAPCD-approved Residential Fleet Mix (2023 operational year mix)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	150	50
tblConstructionPhase	NumDays	10.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.50	0.53
tblFleetMix	LDT1	0.05	0.21
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LHD1	0.03	1.1000e-003
tblFleetMix	LHD2	8.2580e-003	9.0000e-004
tblFleetMix	MCY	0.02	2.5000e-003
tblFleetMix	MDV	0.18	0.06
tblFleetMix	MH	3.7510e-003	1.9000e-003
tblFleetMix	MHD	0.01	8.5000e-003
tblFleetMix	OBUS	6.4600e-004	0.00
tblFleetMix	SBUS	1.5020e-003	4.0000e-004
tblFleetMix	UBUS	4.7100e-004	4.3000e-003

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	48,000.00	85,500.00
tblLandUse	LotAcreage	3.00	2.24
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	9.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.90	0.21
tblVehicleTrips	HS_TL	7.10	0.21
tblVehicleTrips	HW_TL	16.80	0.21
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	8.14	4.55
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.28	3.86
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	7.32	6.74
tblVehicleTrips	WD_TR	32.93	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8936	0.4836	4.1493	3.0000e-003		0.0573	0.0573		0.0573	0.0573	0.0000	566.1937	566.1937	0.0176	0.0103	569.6876
Energy	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
Mobile	0.4781	0.3653	2.2837	1.0700e-003	0.0520	1.8200e-003	0.0539	0.0139	1.6800e-003	0.0155		109.8235	109.8235	0.0541	0.0265	119.0813
Total	**3.4044**	**1.1337**	**6.5912**	**5.8500e-003**	**0.0520**	**0.0818**	**0.1338**	**0.0139**	**0.0816**	**0.0955**	**0.0000**	**1,032.6255**	**1,032.6255**	**0.0785**	**0.0433**	**1,047.4964**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5988	0.4833	4.1208	3.0000e-003		0.0572	0.0572		0.0572	0.0572	0.0000	566.1294	566.1294	0.0175	0.0103	569.6209
Energy	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
Mobile	0.4781	0.3653	2.2837	1.0700e-003	0.0520	1.8200e-003	0.0539	0.0139	1.6800e-003	0.0155		109.8235	109.8235	0.0541	0.0265	119.0813
Total	**3.1096**	**1.1334**	**6.5627**	**5.8500e-003**	**0.0520**	**0.0816**	**0.1336**	**0.0139**	**0.0814**	**0.0953**	**0.0000**	**1,032.5612**	**1,032.5612**	**0.0784**	**0.0433**	**1,047.4296**

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	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	**8.66**	**0.03**	**0.43**	**0.00**	**0.00**	**0.21**	**0.13**	**0.00**	**0.21**	**0.18**	**0.00**	**0.01**	**0.01**	**0.11**	**0.00**	**0.01**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	8/1/2022	7/31/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 173,138; Residential Outdoor: 57,713; Non-Residential Indoor: 30,000; Non-Residential Outdoor: 10,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

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

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2022

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4781	0.3653	2.2837	1.0700e-003	0.0520	1.8200e-003	0.0539	0.0139	1.6800e-003	0.0155		109.8235	109.8235	0.0541	0.0265	119.0813
Unmitigated	0.4781	0.3653	2.2837	1.0700e-003	0.0520	1.8200e-003	0.0539	0.0139	1.6800e-003	0.0155		109.8235	109.8235	0.0541	0.0265	119.0813

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	323.52	218.40	185.28	22,072	22,072
Health Club	0.00	0.00	0.00		
Total	323.52	218.40	185.28	22,072	22,072

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	0.21	0.21	0.21	38.40	22.60	39.00	100	0	0
Health Club	14.70	6.60	6.60	16.90	64.10	19.00	52	39	9

4.4 Fleet Mix

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Health Club	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Apartments Low Rise	0.530500	0.205800	0.167300	0.055000	0.001100	0.000900	0.008500	0.021800	0.000000	0.004300	0.002500	0.000400	0.001900

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275
NaturalGas Unmitigated	0.0327	0.2847	0.1582	1.7800e-003		0.0226	0.0226		0.0226	0.0226		356.6083	356.6083	6.8300e-003	6.5400e-003	358.7275

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2119.94	0.0229	0.1954	0.0831	1.2500e-003		0.0158	0.0158		0.0158	0.0158		249.4044	249.4044	4.7800e-003	4.5700e-003	250.8865
Health Club	911.233	9.8300e-003	0.0893	0.0750	5.4000e-004		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003		107.2039	107.2039	2.0500e-003	1.9700e-003	107.8409
Total		**0.0327**	**0.2847**	**0.1582**	**1.7900e-003**		**0.0226**	**0.0226**		**0.0226**	**0.0226**		**356.6083**	**356.6083**	**6.8300e-003**	**6.5400e-003**	**358.7275**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.11994	0.0229	0.1954	0.0831	1.2500e-003		0.0158	0.0158		0.0158	0.0158		249.4044	249.4044	4.7800e-003	4.5700e-003	250.8865
Health Club	0.911233	9.8300e-003	0.0893	0.0750	5.4000e-004		6.7900e-003	6.7900e-003		6.7900e-003	6.7900e-003		107.2039	107.2039	2.0500e-003	1.9700e-003	107.8409
Total		**0.0327**	**0.2847**	**0.1582**	**1.7900e-003**		**0.0226**	**0.0226**		**0.0226**	**0.0226**		**356.6083**	**356.6083**	**6.8300e-003**	**6.5400e-003**	**358.7275**

6.0 Area Detail

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5988	0.4833	4.1208	3.0000e-003		0.0572	0.0572		0.0572	0.0572	0.0000	566.1294	566.1294	0.0175	0.0103	569.6209
Unmitigated	2.8936	0.4836	4.1493	3.0000e-003		0.0573	0.0573		0.0573	0.0573	0.0000	566.1937	566.1937	0.0176	0.0103	569.6876

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.4651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0513	0.4379	0.1864	2.8000e-003		0.0354	0.0354		0.0354	0.0354	0.0000	559.0588	559.0588	0.0107	0.0103	562.3810
Landscaping	0.1195	0.0457	3.9630	2.1000e-004		0.0219	0.0219		0.0219	0.0219		7.1349	7.1349	6.8700e-003		7.3066
Total	**2.8936**	**0.4836**	**4.1493**	**3.0100e-003**		**0.0573**	**0.0573**		**0.0573**	**0.0573**	**0.0000**	**566.1937**	**566.1937**	**0.0176**	**0.0103**	**569.6876**

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2577					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0513	0.4379	0.1864	2.8000e-003		0.0354	0.0354		0.0354	0.0354	0.0000	559.0588	559.0588	0.0107	0.0103	562.3810
Landscaping	0.1178	0.0454	3.9344	2.1000e-004		0.0218	0.0218		0.0218	0.0218		7.0706	7.0706	6.7700e-003		7.2399
Total	**2.5988**	**0.4833**	**4.1208**	**3.0100e-003**		**0.0572**	**0.0572**		**0.0572**	**0.0572**	**0.0000**	**566.1294**	**566.1294**	**0.0175**	**0.0103**	**569.6209**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Multi-family Residential - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Commercial Development Component - Localized Assessment

Tulare County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.38	Acre	0.38	16,552.80	0
Parking Lot	2.87	Acre	2.87	125,017.20	0
City Park	0.57	Acre	0.57	24,829.20	0
Fast Food Restaurant with Drive Thru	3.40	1000sqft	0.08	3,400.00	0
High Turnover (Sit Down Restaurant)	2.70	1000sqft	0.06	2,700.00	0
Automobile Care Center	2.40	1000sqft	0.06	2,400.00	0
Convenience Market with Gas Pumps	3.00	1000sqft	0.13	3,000.00	0
Supermarket	23.00	1000sqft	0.53	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations only - Localized Assessment (On-site Emissions)
Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023)

Land Use - Commercial land uses based on information provided in the project description, traffic study, and project site plan.
Gross acreage for commercial component: 4.68 acres

Construction Phase - Operational run only (construction assessed separately)

Off-road Equipment - Operational run only (zeroed out construction equipment)

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Operational run only

Grading -

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Trip generation consistent with the project-specific traffic study.
Trip lengths updated to 0.21 mile to account for on-site emissions from mobile sources.

Area Coating - SJVAPCD Rule 4601 Architectural Coatings

Construction Off-road Equipment Mitigation -

Area Mitigation - Rule 4601 Architectural Coatings and building code standards (outside outlets)

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblConstructionPhase	NumDays	18.00	1.00
tblLandUse	LotAcreage	0.07	0.13
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	16.00	0.00
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	65.00	0.00
tblVehicleTrips	PB_TP	50.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	14.00	100.00
tblVehicleTrips	PR_TP	29.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	624.20	467.33
tblVehicleTrips	ST_TR	177.62	112.76
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	624.20	467.33
tblVehicleTrips	SU_TR	166.47	102.42
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	624.20	467.33
tblVehicleTrips	WD_TR	470.95	467.65
tblVehicleTrips	WD_TR	112.18	107.41
tblVehicleTrips	WD_TR	106.78	93.84

2.0 Emissions Summary

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2023	218.9690	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**218.9690**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	218.9690	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**218.9690**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8501	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Energy	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
Mobile	15.6629	6.3908	36.8527	0.0222	1.0471	0.0359	1.0830	0.2796	0.0333	0.3129		2,263.9516	2,263.9516	0.8359	0.4773	2,427.0891
Total	**16.5383**	**6.6212**	**37.0500**	**0.0236**	**1.0471**	**0.0534**	**1.1005**	**0.2796**	**0.0508**	**0.3304**		**2,540.3126**	**2,540.3126**	**0.8412**	**0.4824**	**2,705.0929**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8501	4.0000e-005	3.8600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.2700e-003	8.2700e-003	2.0000e-005		8.8100e-003
Energy	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
Mobile	15.6629	6.3908	36.8527	0.0222	1.0471	0.0359	1.0830	0.2796	0.0333	0.3129		2,263.9516	2,263.9516	0.8359	0.4773	2,427.0891
Total	**16.5383**	**6.6212**	**37.0500**	**0.0236**	**1.0471**	**0.0534**	**1.1005**	**0.2796**	**0.0508**	**0.3304**		**2,540.3125**	**2,540.3125**	**0.8412**	**0.4824**	**2,705.0928**

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	8/1/2023	8/1/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 51,752; Non-Residential Outdoor: 17,251; Striped Parking Area: 8,494 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	218.9690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**218.9690**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

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

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	218.9690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**218.9690**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

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

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.6629	6.3908	36.8527	0.0222	1.0471	0.0359	1.0830	0.2796	0.0333	0.3129		2,263.9516	2,263.9516	0.8359	0.4773	2,427.0891
Unmitigated	15.6629	6.3908	36.8527	0.0222	1.0471	0.0359	1.0830	0.2796	0.0333	0.3129		2,263.9516	2,263.9516	0.8359	0.4773	2,427.0891

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Convenience Market with Gas Pumps	1,401.99	1,401.99	1401.99	107,168	107,168
Fast Food Restaurant with Drive Thru	1,590.01	2,094.81	1606.77	127,236	127,236
High Turnover (Sit Down Restaurant)	290.01	330.48	385.13	23,649	23,649
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Supermarket	2,158.32	2,593.48	2355.66	171,889	171,889
Total	5,440.33	6,420.76	5,749.55	429,942	429,942

4.3 Trip Type Information

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	0.21	0.21	0.21	33.00	48.00	19.00	100	0	0
City Park	0.21	0.21	0.21	33.00	48.00	19.00	100	0	0
Convenience Market with Gas	0.21	0.21	0.21	0.80	80.20	19.00	100	0	0
Fast Food Restaurant with Drive	0.21	0.21	0.21	2.20	78.80	19.00	100	0	0
High Turnover (Sit Down	0.21	0.21	0.21	8.50	72.50	19.00	100	0	0
Other Non-Asphalt Surfaces	0.21	0.21	0.21	0.00	0.00	0.00	0	0	0
Parking Lot	0.21	0.21	0.21	0.00	0.00	0.00	0	0	0
Supermarket	0.21	0.21	0.21	6.50	74.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
City Park	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Convenience Market with Gas Pumps	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Fast Food Restaurant with Drive Thru	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
High Turnover (Sit Down Restaurant)	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Other Non-Asphalt Surfaces	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Parking Lot	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Supermarket	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
NaturalGas Unmitigated	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	109.348	1.1800e-003	0.0107	9.0100e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004		12.8645	12.8645	2.5000e-004	2.4000e-004	12.9409
City Park	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
Convenience Market with Gas Pumps	46.4384	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		5.4633	5.4633	1.0000e-004	1.0000e-004	5.4958
Fast Food Restaurant with Drive Thru	921.447	9.9400e-003	0.0903	0.0759	5.4000e-004		6.8700e-003	6.8700e-003		6.8700e-003	6.8700e-003		108.4055	108.4055	2.0800e-003	1.9900e-003	109.0497
High Turnover (Sit Down Restaurant)	731.737	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		86.0867	86.0867	1.6500e-003	1.5800e-003	86.5983
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	540.027	5.8200e-003	0.0529	0.0445	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.5326	63.5326	1.2200e-003	1.1600e-003	63.9102
Total		**0.0253**	**0.2303**	**0.1934**	**1.3800e-003**		**0.0175**	**0.0175**		**0.0175**	**0.0175**		**276.3526**	**276.3526**	**5.3000e-003**	**5.0700e-003**	**277.9948**

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	0.109348	1.1800e-003	0.0107	9.0100e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004		12.8645	12.8645	2.5000e-004	2.4000e-004	12.9409
City Park	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
Convenience Market with Gas Pumps	0.0464384	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		5.4633	5.4633	1.0000e-004	1.0000e-004	5.4958
Fast Food Restaurant with Drive Thru	0.921447	9.9400e-003	0.0903	0.0759	5.4000e-004		6.8700e-003	6.8700e-003		6.8700e-003	6.8700e-003		108.4055	108.4055	2.0800e-003	1.9900e-003	109.0497
High Turnover (Sit Down Restaurant)	0.731737	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		86.0867	86.0867	1.6500e-003	1.5800e-003	86.5983
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0.540027	5.8200e-003	0.0529	0.0445	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.5326	63.5326	1.2200e-003	1.1600e-003	63.9102
Total		**0.0253**	**0.2303**	**0.1934**	**1.3800e-003**		**0.0175**	**0.0175**		**0.0175**	**0.0175**		**276.3526**	**276.3526**	**5.3000e-003**	**5.0700e-003**	**277.9948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8501	4.0000e-005	3.8600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.2700e-003	8.2700e-003	2.0000e-005		8.8100e-003
Unmitigated	0.8501	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-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	lb/day										lb/day					
Architectural Coating	0.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7897					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6000e-004	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Total	**0.8501**	**4.0000e-005**	**3.9100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.3900e-003**	**8.3900e-003**	**2.0000e-005**		**8.9400e-003**

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7897					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6000e-004	4.0000e-005	3.8600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.2700e-003	8.2700e-003	2.0000e-005		8.8100e-003
Total	**0.8501**	**4.0000e-005**	**3.8600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.2700e-003**	**8.2700e-003**	**2.0000e-005**		**8.8100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Commercial Development Component - Localized Assessment - Tulare County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Commercial Development Component - Localized Assessment

Tulare County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.38	Acre	0.38	16,552.80	0
Parking Lot	2.87	Acre	2.87	125,017.20	0
City Park	0.57	Acre	0.57	24,829.20	0
Fast Food Restaurant with Drive Thru	3.40	1000sqft	0.08	3,400.00	0
High Turnover (Sit Down Restaurant)	2.70	1000sqft	0.06	2,700.00	0
Automobile Care Center	2.40	1000sqft	0.06	2,400.00	0
Convenience Market with Gas Pumps	3.00	1000sqft	0.13	3,000.00	0
Supermarket	23.00	1000sqft	0.53	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	51
Climate Zone	7			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations only - Localized Assessment (On-site Emissions)
Commercial Development Component - Full Buildout Operations in the Earliest Operational Year (2023)

Land Use - Commercial land uses based on information provided in the project description, traffic study, and project site plan.
Gross acreage for commercial component: 4.68 acres

Construction Phase - Operational run only (construction assessed separately)

Off-road Equipment - Operational run only (zeroed out construction equipment)

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Operational run only

Grading -

Architectural Coating - SJVAPCD Rule 4601 Architectural Coatings

Vehicle Trips - Trip generation consistent with the project-specific traffic study.
Trip lengths updated to 0.21 mile to account for on-site emissions from mobile sources.

Area Coating - SJVAPCD Rule 4601 Architectural Coatings

Construction Off-road Equipment Mitigation -

Area Mitigation - Rule 4601 Architectural Coatings and building code standards (outside outlets)

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblConstructionPhase	NumDays	18.00	1.00
tblLandUse	LotAcreage	0.07	0.13
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	WorkerTripNumber	16.00	0.00
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21
tblVehicleTrips	CC_TL	6.60	0.21

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CNW_TL	6.60	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	CW_TL	14.70	0.21
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	21.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	65.00	0.00
tblVehicleTrips	PB_TP	50.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	21.00	100.00

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	14.00	100.00
tblVehicleTrips	PR_TP	29.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	34.00	100.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	624.20	467.33
tblVehicleTrips	ST_TR	177.62	112.76
tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	624.20	467.33
tblVehicleTrips	SU_TR	166.47	102.42
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	624.20	467.33
tblVehicleTrips	WD_TR	470.95	467.65
tblVehicleTrips	WD_TR	112.18	107.41
tblVehicleTrips	WD_TR	106.78	93.84

2.0 Emissions Summary

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2023	218.9690	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**218.9690**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	218.9690	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**218.9690**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8501	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Energy	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
Mobile	10.3712	7.1927	49.5128	0.0215	1.0471	0.0361	1.0832	0.2796	0.0335	0.3131		2,199.0019	2,199.0019	1.1249	0.5258	2,383.7961
Total	**11.2466**	**7.4230**	**49.7101**	**0.0229**	**1.0471**	**0.0537**	**1.1007**	**0.2796**	**0.0510**	**0.3306**		**2,475.3629**	**2,475.3629**	**1.1302**	**0.5308**	**2,661.7999**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8501	4.0000e-005	3.8600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.2700e-003	8.2700e-003	2.0000e-005		8.8100e-003
Energy	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
Mobile	10.3712	7.1927	49.5128	0.0215	1.0471	0.0361	1.0832	0.2796	0.0335	0.3131		2,199.0019	2,199.0019	1.1249	0.5258	2,383.7961
Total	**11.2466**	**7.4230**	**49.7101**	**0.0229**	**1.0471**	**0.0537**	**1.1007**	**0.2796**	**0.0510**	**0.3306**		**2,475.3628**	**2,475.3628**	**1.1302**	**0.5308**	**2,661.7998**

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	8/1/2023	8/1/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 51,752; Non-Residential Outdoor: 17,251; Striped Parking Area: 8,494 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	218.9690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**218.9690**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

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

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	218.9690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**218.9690**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

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

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.3712	7.1927	49.5128	0.0215	1.0471	0.0361	1.0832	0.2796	0.0335	0.3131		2,199.0019	2,199.0019	1.1249	0.5258	2,383.7961
Unmitigated	10.3712	7.1927	49.5128	0.0215	1.0471	0.0361	1.0832	0.2796	0.0335	0.3131		2,199.0019	2,199.0019	1.1249	0.5258	2,383.7961

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Convenience Market with Gas Pumps	1,401.99	1,401.99	1401.99	107,168	107,168
Fast Food Restaurant with Drive Thru	1,590.01	2,094.81	1606.77	127,236	127,236
High Turnover (Sit Down Restaurant)	290.01	330.48	385.13	23,649	23,649
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Supermarket	2,158.32	2,593.48	2355.66	171,889	171,889
Total	5,440.33	6,420.76	5,749.55	429,942	429,942

4.3 Trip Type Information

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	0.21	0.21	0.21	33.00	48.00	19.00	100	0	0
City Park	0.21	0.21	0.21	33.00	48.00	19.00	100	0	0
Convenience Market with Gas	0.21	0.21	0.21	0.80	80.20	19.00	100	0	0
Fast Food Restaurant with Drive	0.21	0.21	0.21	2.20	78.80	19.00	100	0	0
High Turnover (Sit Down	0.21	0.21	0.21	8.50	72.50	19.00	100	0	0
Other Non-Asphalt Surfaces	0.21	0.21	0.21	0.00	0.00	0.00	0	0	0
Parking Lot	0.21	0.21	0.21	0.00	0.00	0.00	0	0	0
Supermarket	0.21	0.21	0.21	6.50	74.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
City Park	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Convenience Market with Gas Pumps	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Fast Food Restaurant with Drive Thru	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
High Turnover (Sit Down Restaurant)	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Other Non-Asphalt Surfaces	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Parking Lot	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751
Supermarket	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948
NaturalGas Unmitigated	0.0253	0.2303	0.1935	1.3800e-003		0.0175	0.0175		0.0175	0.0175		276.3526	276.3526	5.3000e-003	5.0700e-003	277.9948

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	109.348	1.1800e-003	0.0107	9.0100e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004		12.8645	12.8645	2.5000e-004	2.4000e-004	12.9409
City Park	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
Convenience Market with Gas Pumps	46.4384	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		5.4633	5.4633	1.0000e-004	1.0000e-004	5.4958
Fast Food Restaurant with Drive Thru	921.447	9.9400e-003	0.0903	0.0759	5.4000e-004		6.8700e-003	6.8700e-003		6.8700e-003	6.8700e-003		108.4055	108.4055	2.0800e-003	1.9900e-003	109.0497
High Turnover (Sit Down Restaurant)	731.737	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		86.0867	86.0867	1.6500e-003	1.5800e-003	86.5983
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	540.027	5.8200e-003	0.0529	0.0445	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.5326	63.5326	1.2200e-003	1.1600e-003	63.9102
Total		**0.0253**	**0.2303**	**0.1934**	**1.3800e-003**		**0.0175**	**0.0175**		**0.0175**	**0.0175**		**276.3526**	**276.3526**	**5.3000e-003**	**5.0700e-003**	**277.9948**

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	0.109348	1.1800e-003	0.0107	9.0100e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004		12.8645	12.8645	2.5000e-004	2.4000e-004	12.9409
City Park	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
Convenience Market with Gas Pumps	0.0464384	5.0000e-004	4.5500e-003	3.8200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		5.4633	5.4633	1.0000e-004	1.0000e-004	5.4958
Fast Food Restaurant with Drive Thru	0.921447	9.9400e-003	0.0903	0.0759	5.4000e-004		6.8700e-003	6.8700e-003		6.8700e-003	6.8700e-003		108.4055	108.4055	2.0800e-003	1.9900e-003	109.0497
High Turnover (Sit Down Restaurant)	0.731737	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003		86.0867	86.0867	1.6500e-003	1.5800e-003	86.5983
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Supermarket	0.540027	5.8200e-003	0.0529	0.0445	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.5326	63.5326	1.2200e-003	1.1600e-003	63.9102
Total		**0.0253**	**0.2303**	**0.1934**	**1.3800e-003**		**0.0175**	**0.0175**		**0.0175**	**0.0175**		**276.3526**	**276.3526**	**5.3000e-003**	**5.0700e-003**	**277.9948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8501	4.0000e-005	3.8600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.2700e-003	8.2700e-003	2.0000e-005		8.8100e-003
Unmitigated	0.8501	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-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	lb/day										lb/day					
Architectural Coating	0.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7897					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6000e-004	4.0000e-005	3.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.3900e-003	8.3900e-003	2.0000e-005		8.9400e-003
Total	**0.8501**	**4.0000e-005**	**3.9100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.3900e-003**	**8.3900e-003**	**2.0000e-005**		**8.9400e-003**

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7897					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6000e-004	4.0000e-005	3.8600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.2700e-003	8.2700e-003	2.0000e-005		8.8100e-003
Total	**0.8501**	**4.0000e-005**	**3.8600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**8.2700e-003**	**8.2700e-003**	**2.0000e-005**		**8.8100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Commercial Development Component - Localized Assessment - Tulare County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

CalEEMod Output and Additional Supporting Information

Additional Supporting Information

Camino Castaneda Mixed Use Development Project Construction Assumptions

Construction Phase Phase Name	Start Date	End Date	Num Days Week	Work Days per Phase
Residential Development				
Site Preparation	8/1/2022	8/3/2022	5	3
Grading	8/4/2022	8/11/2022	5	6
Building Construction	8/12/2022	6/15/2023	5	220
Paving	6/16/2023	6/29/2023	5	10
Architectural Coating	6/30/2023	7/13/2023	5	10
Commercial Development				
Site Preparation	8/1/2022	8/5/2022	5	5
Grading	8/6/2022	8/17/2022	5	8
Building Construction	8/18/2022	7/5/2023	5	230
Paving	7/6/2023	7/31/2023	5	18
Architectural Coating	8/1/2023	8/24/2023	5	18

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Type	Engine Tier (Unmitigated)
Residential Development							
Site Preparation	Graders	1	8	187	0.41	Diesel	Average
Site Preparation	Scrapers	1	8	367	0.48	Diesel	Average
Site Preparation	Tractors/Loaders/Backhoes	1	7	97	0.37	Diesel	Average
Grading	Graders	1	8	187	0.41	Diesel	Average
Grading	Rubber Tired Dozers	1	8	247	0.40	Diesel	Average
Grading	Tractors/Loaders/Backhoes	2	7	97	0.37	Diesel	Average
Building Construction	Cranes	1	8	231	0.29	Diesel	Average
Building Construction	Forklifts	2	7	89	0.20	Diesel	Average
Building Construction	Generator Sets	1	8	84	0.74	Diesel	Average
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	Diesel	Average
Building Construction	Welders	3	8	46	0.45	Diesel	Average
Paving	Cement and Mortar Mixers	1	8	9	0.56	Diesel	Average
Paving	Pavers	1	8	130	0.42	Diesel	Average
Paving	Paving Equipment	1	8	132	0.36	Diesel	Average
Paving	Rollers	2	8	80	0.38	Diesel	Average
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	Diesel	Average
Architectural Coating	Air Compressors	1	6	78	0.48	Diesel	Average
Commercial Development							
Site Preparation	Rubber Tired Dozers	3	8	247	0.40	Diesel	Average
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	Diesel	Average
Grading	Excavators	1	8	158	0.38	Diesel	Average
Grading	Graders	1	8	187	0.41	Diesel	Average
Grading	Rubber Tired Dozers	1	8	247	0.40	Diesel	Average
Grading	Tractors/Loaders/Backhoes	3	8	97	0.37	Diesel	Average
Building Construction	Cranes	1	7	231	0.29	Diesel	Average
Building Construction	Forklifts	3	8	89	0.20	Diesel	Average
Building Construction	Generator Sets	1	8	84	0.74	Diesel	Average
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	Diesel	Average
Building Construction	Welders	1	8	46	0.45	Diesel	Average
Paving	Cement and Mortar Mixers	2	6	9	0.56	Diesel	Average
Paving	Pavers	1	8	130	0.42	Diesel	Average
Paving	Paving Equipment	2	6	132	0.36	Diesel	Average
Paving	Rollers	2	6	80	0.38	Diesel	Average
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	Diesel	Average
Architectural Coating	Air Compressors	1	6	78	0.48	Diesel	Average

Construction Trips and VMT

Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length (miles)	Vendor Trip Length (miles)	Hauling Trip Length (miles)
Residential Development						
Site Preparation	8	0	6	16.8	6.6	20
Grading	10	0	8	16.8	6.6	20
Building Construction	43	8	16	16.8	6.6	20
Paving	15	4	12	16.8	6.6	20
Architectural Coating	9	0	2	16.8	6.6	20
Commercial Development						
Site Preparation	18	0	14	16.8	6.6	20
Grading	15	0	637	16.8	6.6	20
Building Construction	82	33	18	16.8	6.6	20
Paving	20	4	16	16.8	6.6	20
Architectural Coating	16	0	2	16.8	6.6	20

NOVEMBER 30TH, 2021

CAMINO CASTANEDA

SITE DATA:

APN:	111-290-002 111-290-014
TOTAL AREA:	7.38 AC±
EXISTING ZONING:	C-G
PROPOSED ZONING:	C-G, R-M
EXISTING USE:	VACANT
PROPOSED USE:	COMMERCIAL RESIDENTIAL
GENERAL PLAN DESIGNATION:	GENERAL COMMERCIAL

GENERAL COMMERCIAL LAND USE TOTALS	
GROCERY	23,000 SF ±
OIL CHANGE/CAR WASH	2,400 SF ±
FUELING STATION	5,580 SF ±
CONV. STORE W/ DRIVE-THRU	3,000 SF ±
GENERAL COMMERCIAL	2,700 SF ±
TOTAL:	37,290 SF ±
C-G GROSS AC	4.68 AC±

MULTI-FAMILY RESIDENTIAL LAND USE TOTALS	
MULTI-FAMILY	48 UNITS
TOTAL:	39,060 SF ±
R-M GROSS AC	2.70 AC ±

PARKING STALLS (C-G)	REQUIRED	PROPOSED
QSR DRIVE THRU	15	
FUELING STATION	14	
C-STORE W/ DRIVE-THRU	13	
COMMERCIAL	21	
GROCERY	99	
TOTAL	162	183

PARKING STALLS (R-M)	REQUIRED	PROPOSED
MULTI-FAMILY (1.5/UNIT + 1 EVERY 3 UNITS)	88	93



NORTH

40' 0' 40'

PREPARED BY:

4CREEKS

324 S. SANTA FE, STE. A
P.O. BOX 7593
VISALIA, CA 93292
TEL. 559.802.3052
FAX. 559.802.3215

District Accepted Fleet Mix for Residential Projects

	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
2013	0.5322	0.1901	0.1671	0.0628	0.0020	0.0011	0.0097	0.0243	0.0000	0.0047	0.0032	0.0012	0.0016
2014	0.5352	0.1905	0.1673	0.0609	0.0019	0.0010	0.0095	0.0232	0.0000	0.0047	0.0030	0.0012	0.0016
2015	0.5376	0.1911	0.1676	0.0591	0.0018	0.0010	0.0096	0.0219	0.0000	0.0047	0.0029	0.0011	0.0016
2016	0.5398	0.1917	0.1674	0.0576	0.0018	0.0010	0.0094	0.0213	0.0000	0.0046	0.0028	0.0011	0.0015
2017	0.5410	0.1927	0.1671	0.0563	0.0017	0.0010	0.0093	0.0210	0.0000	0.0045	0.0028	0.0011	0.0015
2018	0.5412	0.1941	0.1669	0.0553	0.0017	0.0009	0.0092	0.0209	0.0000	0.0045	0.0027	0.0011	0.0015
2019	0.5411	0.1955	0.1669	0.0545	0.0016	0.0009	0.0091	0.0208	0.0000	0.0044	0.0026	0.0011	0.0015
2020	0.5402	0.1972	0.1668	0.0540	0.0016	0.0009	0.0091	0.0206	0.0000	0.0044	0.0026	0.0011	0.0015
2021	0.5373	0.2000	0.1671	0.0542	0.0014	0.0009	0.0090	0.0206	0.0000	0.0044	0.0026	0.0009	0.0016
2022	0.5343	0.2030	0.1673	0.0545	0.0013	0.0009	0.0086	0.0207	0.0000	0.0044	0.0025	0.0007	0.0018
2023	0.5305	0.2058	0.1673	0.0550	0.0011	0.0009	0.0085	0.0218	0.0000	0.0043	0.0025	0.0004	0.0019
2024	0.5277	0.2090	0.1675	0.0556	0.0009	0.0009	0.0080	0.0214	0.0000	0.0043	0.0025	0.0002	0.0020
2025	0.5244	0.2120	0.1677	0.0563	0.0008	0.0009	0.0076	0.0212	0.0000	0.0043	0.0025	0.0001	0.0022
2026	0.5215	0.2146	0.1681	0.0569	0.0008	0.0009	0.0075	0.0203	0.0000	0.0044	0.0025	0.0002	0.0023
2027	0.5185	0.2170	0.1684	0.0575	0.0008	0.0010	0.0074	0.0195	0.0000	0.0044	0.0025	0.0005	0.0025
2028	0.5159	0.2192	0.1686	0.0582	0.0008	0.0010	0.0074	0.0187	0.0000	0.0044	0.0025	0.0007	0.0026
2029	0.5134	0.2212	0.1688	0.0587	0.0008	0.0010	0.0074	0.0181	0.0000	0.0044	0.0025	0.0009	0.0028
2030	0.5110	0.2231	0.1690	0.0593	0.0008	0.0010	0.0074	0.0173	0.0000	0.0044	0.0025	0.0012	0.0030
2031	0.5076	0.2254	0.1693	0.0598	0.0008	0.0010	0.0074	0.0174	0.0000	0.0044	0.0026	0.0012	0.0031
2032	0.5044	0.2274	0.1696	0.0602	0.0008	0.0010	0.0075	0.0176	0.0000	0.0044	0.0026	0.0012	0.0033
2033	0.5014	0.2291	0.1700	0.0606	0.0008	0.0010	0.0075	0.0178	0.0000	0.0044	0.0027	0.0012	0.0035
2034	0.4987	0.2308	0.1703	0.0609	0.0008	0.0010	0.0076	0.0180	0.0000	0.0044	0.0027	0.0012	0.0036
2035	0.4960	0.2323	0.1707	0.0613	0.0008	0.0010	0.0076	0.0182	0.0000	0.0044	0.0027	0.0012	0.0038
2036	0.4933	0.2333	0.1709	0.0615	0.0008	0.0010	0.0077	0.0191	0.0000	0.0044	0.0029	0.0012	0.0039
2037	0.4907	0.2341	0.1710	0.0618	0.0009	0.0010	0.0078	0.0202	0.0000	0.0044	0.0030	0.0011	0.0040
2038	0.4883	0.2348	0.1712	0.0620	0.0009	0.0010	0.0078	0.0213	0.0000	0.0044	0.0031	0.0011	0.0041
2039	0.4857	0.2356	0.1714	0.0623	0.0009	0.0010	0.0079	0.0223	0.0000	0.0043	0.0032	0.0011	0.0043
2040	0.4834	0.2363	0.1716	0.0625	0.0009	0.0010	0.0079	0.0233	0.0000	0.0043	0.0033	0.0011	0.0044

ATTACHMENT B
Health Risk Assessments

Health Risk Assessment

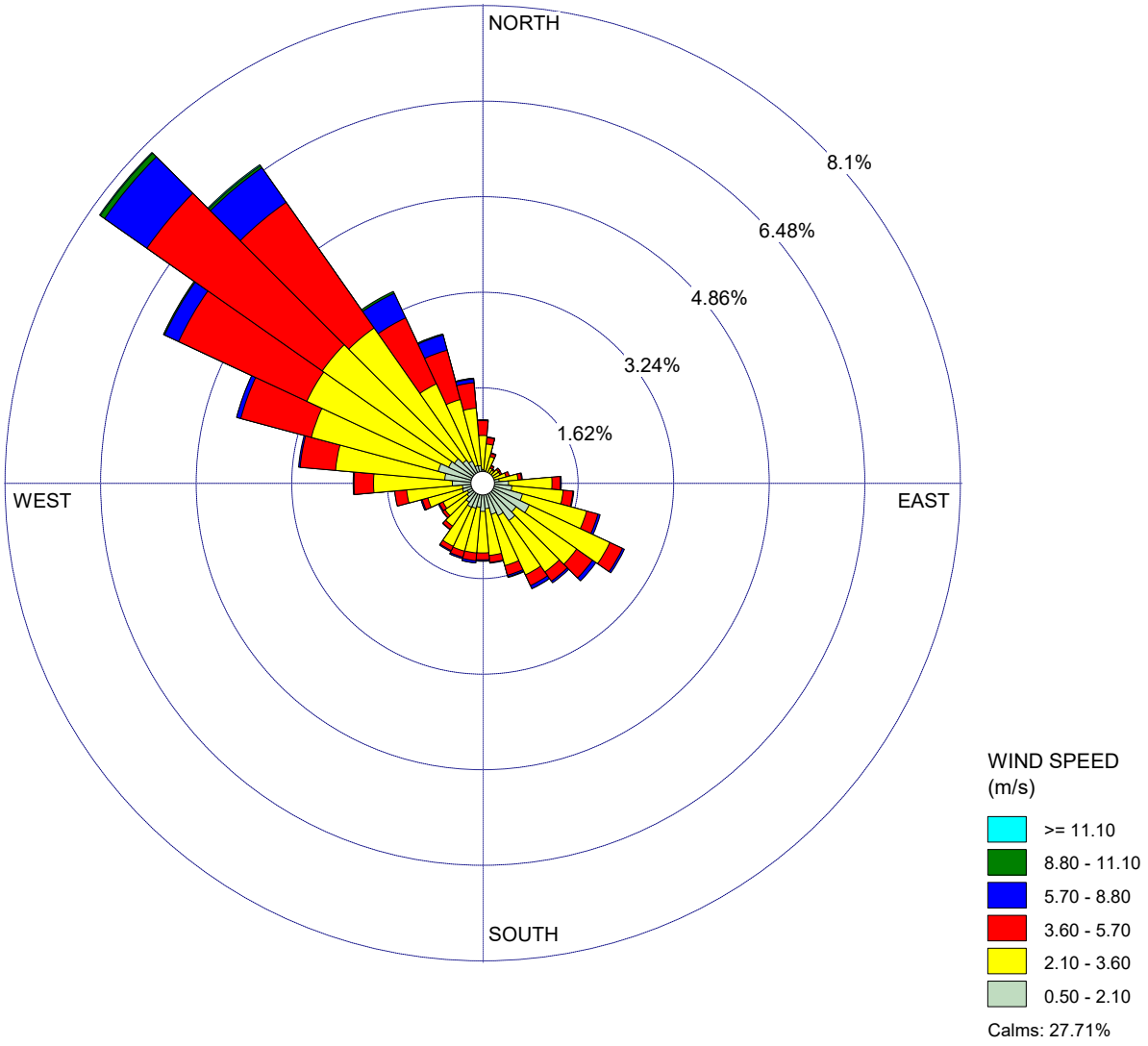
General Parameters

WIND ROSE PLOT:

Wind Rose - Station #93144 (Flow Vector - Blowing From)

DISPLAY:

Wind Speed
Direction (blowing from)



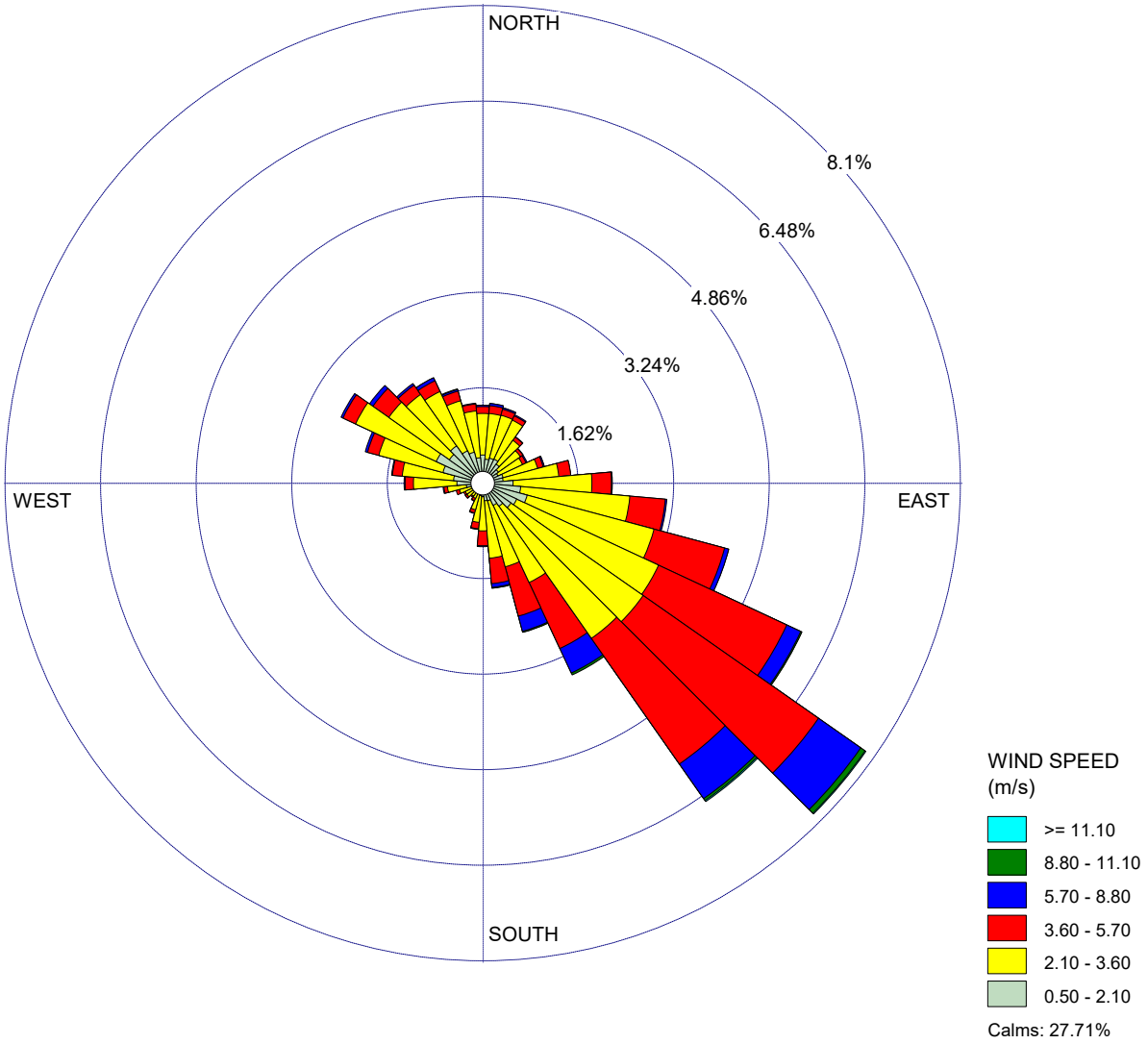
COMMENTS:	DATA PERIOD: **Start Date: 1/1/2007 - 00:00** **End Date: 12/31/2010 - 23:59**		
	CALM WINDS: **27.71%**	TOTAL COUNT: **34417 hrs.**	
	AVG. WIND SPEED: **2.26 m/s**	DATE: **5/28/2022**	PROJECT NO.:

WIND ROSE PLOT:

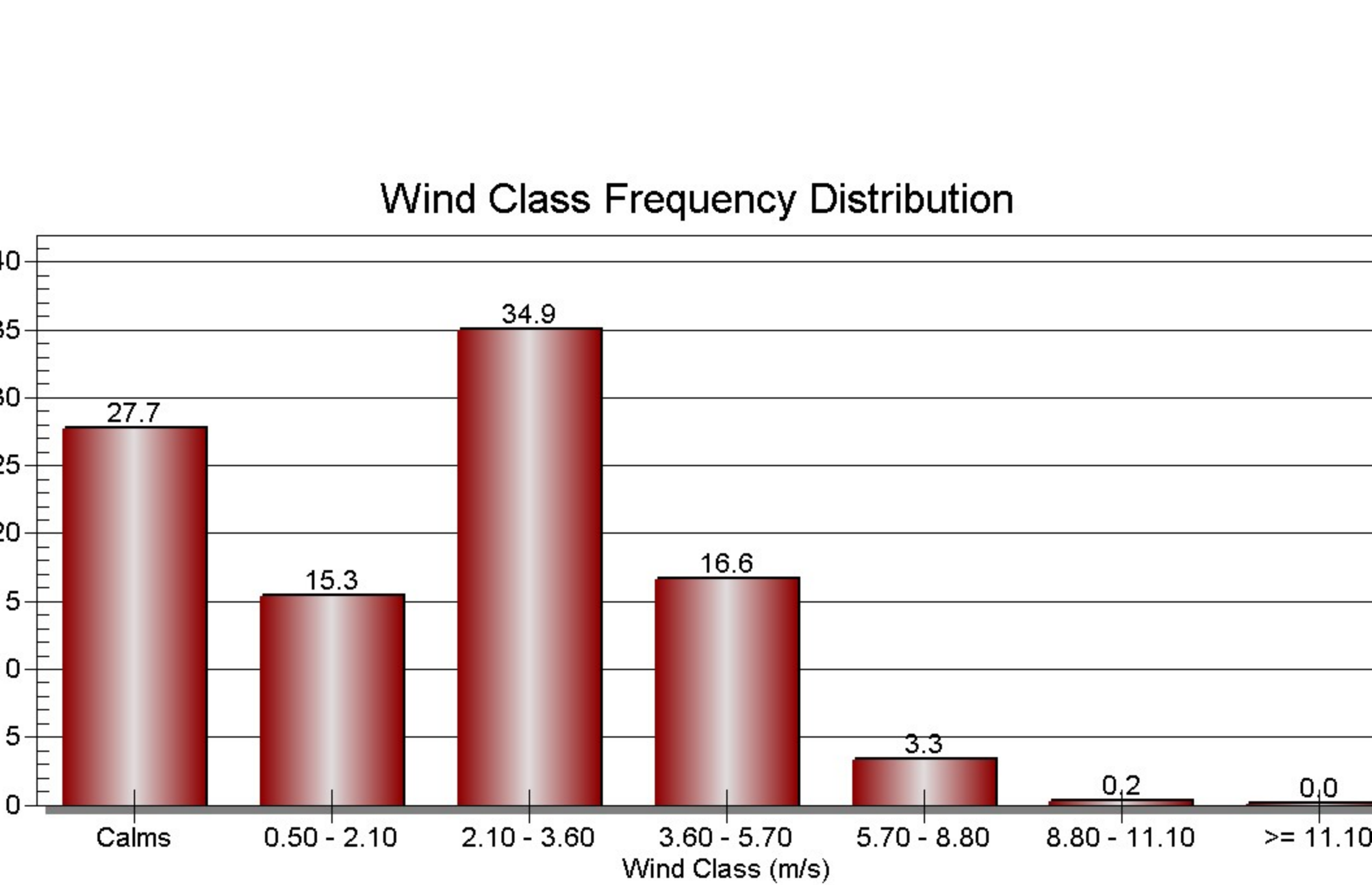
Wind Rose - Station #93144 (Flow Vector - Blowing To)

DISPLAY:

Wind Speed
Flow Vector (blowing to)

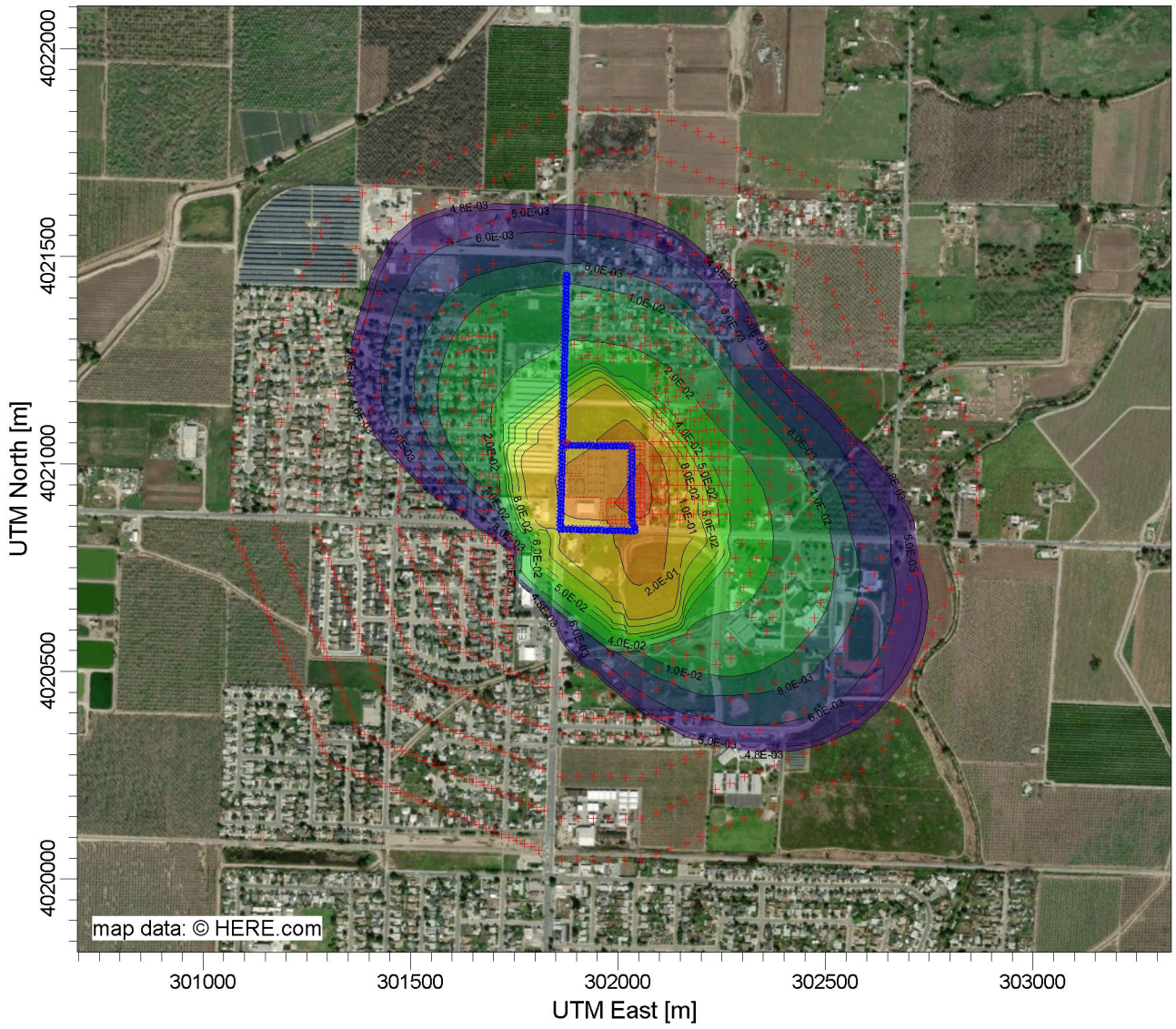


COMMENTS:	DATA PERIOD: **Start Date: 1/1/2007 - 00:00** **End Date: 12/31/2010 - 23:59**		
	CALM WINDS: **27.71%**	TOTAL COUNT: **34417 hrs.**	
	AVG. WIND SPEED: **2.26 m/s**	DATE: **5/28/2022**	PROJECT NO.:


Wind Class Frequency Distribution
40
35
30
25
20
5
0
5
0
27.7
15.3
34.9
16.6
3.3
0.2
0.0
Calms
0.50 - 2.10
2.10 - 3.60
3.60 - 5.70
5.70 - 8.80
8.80 - 11.10
>= 11.10
Wind Class (m/s)

PROJECT TITLE:

Unmitigated Construction – DPM Air Dispersion Trend



PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 4 YEARS FOR SOURCE GROUP: ALL ug/m^3

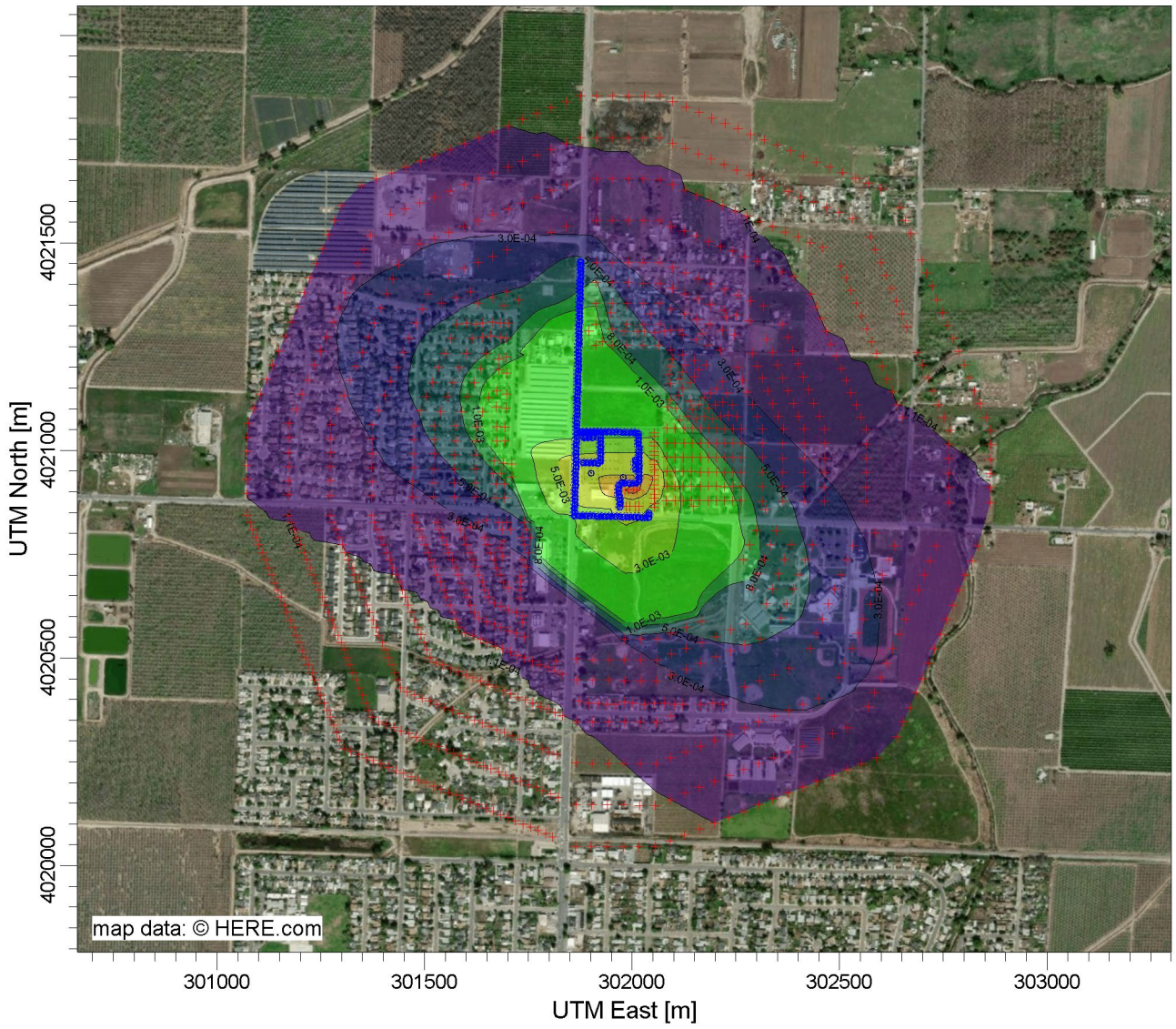
Max: 4.8E-01 [ug/m^3] at (302052.61, 4020907.79)

4.8E-03 5.0E-03 6.0E-03 8.0E-03 1.0E-02 2.0E-02 4.0E-02 5.0E-02 6.0E-02 8.0E-02 1.0E-01 2.0E-01 4.0E-01 4.8E-01

COMMENTS:	SOURCES: **6**		
	RECEPTORS: **1063**		
	OUTPUT TYPE: **Concentration**	SCALE: 1:16,582 0 0.5 km	
	MAX: **4.8E-01 ug/m^3**	DATE: **5/29/2022**	PROJECT NO.:

PROJECT TITLE:

Air Dispersion Trend – DPM Emissions During Project Operations



PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 4 YEARS FOR SOURCE GROUP: ALL ug/m^3

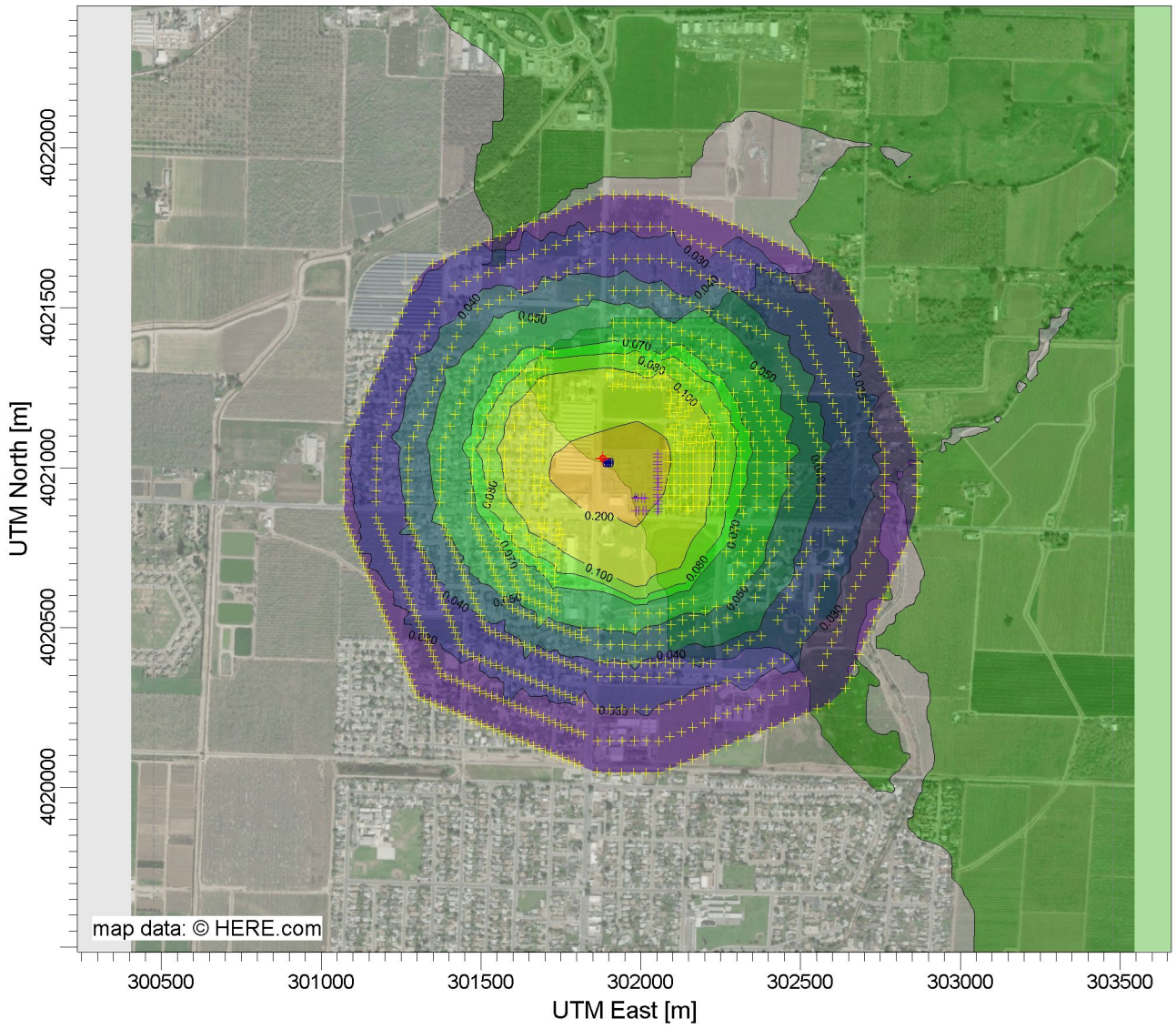
Max: 1.1E-02 [ug/m^3] at (302004.18, 4020905.47)

1.1E-04 3.0E-04 5.0E-04 8.0E-04 1.0E-03 3.0E-03 5.0E-03 8.0E-03 1.0E-02 1.1E-02

COMMENTS:	SOURCES: **7**		
	RECEPTORS: **1063**		
	OUTPUT TYPE: **Concentration**	SCALE: 1:16,583 0 0.5 km	
	MAX: **1.1E-02 ug/m^3**	DATE: **5/30/2022**	PROJECT NO.:

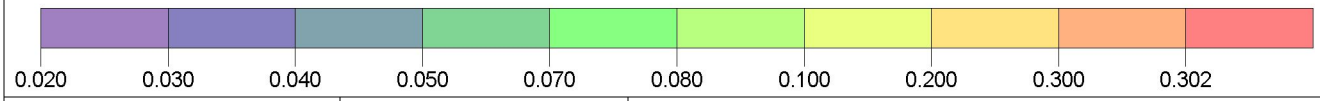
PROJECT TITLE:

Concentration Dispersion Trend – Benzene



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL ug/m^3

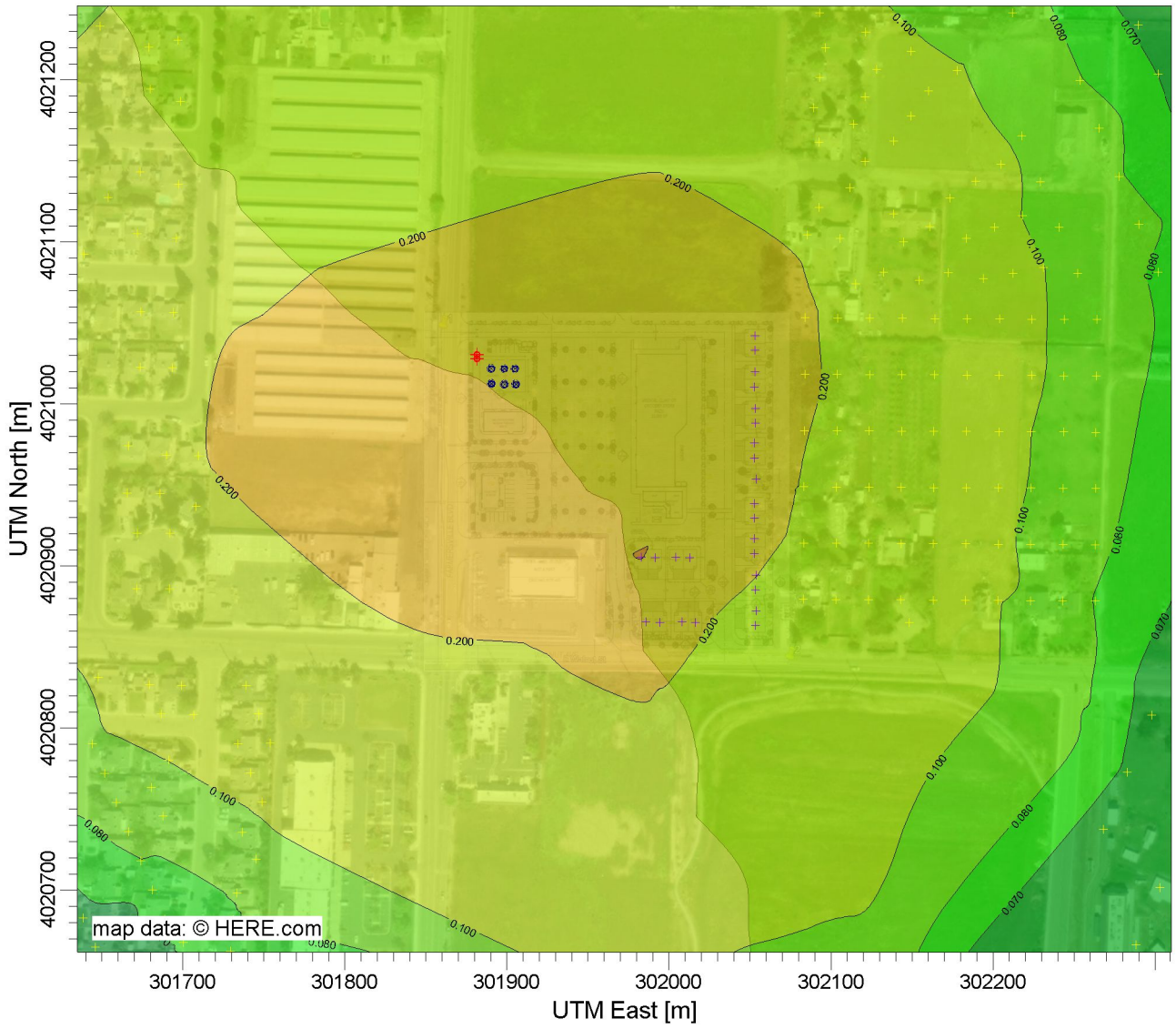
Max: 0.302 [ug/m^3] at (301983.02, 4020905.47)



COMMENTS:	SOURCES: **16**		
	RECEPTORS: **1063**		
	OUTPUT TYPE: **Concentration**	SCALE: 1:21,536 0 0.5 km	
	MAX: **0.302 ug/m^3**	DATE: **5/29/2022**	PROJECT NO.:

PROJECT TITLE:

Air Dispersion Trend (Benzene) + Graphical Representation of Inputs
(Zoomed Near the Project Site)



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL ug/m^3

Max: 0.302 [ug/m^3] at (301983.02, 4020905.47)

0.020 0.030 0.040 0.050 0.070 0.080 0.100 0.200 0.300 0.302

COMMENTS:	SOURCES: **16**		
	RECEPTORS: **1063**		
	OUTPUT TYPE: **Concentration**	SCALE: 1:4,248 0 0.1 km	
	MAX: **0.302 ug/m^3**	DATE: **5/29/2022**	PROJECT NO.:

Health Risk Assessment

Construction Health Risk Assessment

Health Risk Assessment

Unmitigated Construction Scenario Concentrations and Health Risk Metrics

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Unmitigated)

Estimation of Annual Onsite Construction Emissions

Residential Development

Start of Construction	8/1/2022	
End of Construction	7/13/2023	**Total**
Number of Days	346	346
Number of Hours	8,304	8,304

Size of the construction area source (Residential): **10,131.1** **sq-meters**

CalEEMod Run	Year	On-site Construction Activity	Unmitigated On-site DPM (tons)
Residential	2022	Site Preparation	0.00089
Residential	2022	Grading	0.00223
Residential	2022	Building Construction	0.03550
Residential	2023	Building Construction	0.03650
Residential	2023	Paving	0.00217
Residential	2023	Architectural Coating	0.00035

Total Unmitigated DPM (On-site) **7.764E-02** **tons**

Average Emission	7.050E+04	grams
	2.358E-03	grams/sec
	2.328E-07	grams/m2-sec

Commercial Development

Start of Construction (Commercial)	8/1/2022	
End of Construction (Commercial)	8/24/2023	**Total**
Number of Days	388	388
Number of Hours	9,312	9,312

Size of the construction area source (Commercial): **22,187.6** **sq-meters**

CalEEMod Run	Year	On-site Construction Activity	Unmitigated On-site DPM (tons)
Commercial	2022	Site Preparation	0.00403
Commercial	2022	Grading	0.00376
Commercial	2022	Building Construction	0.03920
Commercial	2023	Building Construction	0.04650
Commercial	2023	Paving	0.00392
Commercial	2023	Architectural Coating	0.00064

Total Unmitigated DPM (On-site) **9.805E-02** **tons**

Average Emission	8.903E+04	grams
	2.656E-03	grams/sec
	1.197E-07	grams/m2-sec

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Unmitigated)

Residential Development

Estimation of Annual Offsite Construction DPM Emissions (Unmitigated)

Start of Construction		8/1/2022				
End of Construction		7/13/2023				**Total**
Number of Days		346				346
Number of Hours		8,304				8,304

	2022	2022	2022	2023	2023	2023
Construction Trip Type	Site Preparation	Grading	Building Construction	Building Construction	Paving	Architectural Coating
Haul Truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Vendor Truck	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000
Worker	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000
Total	0.00000	0.00000	0.00002	0.00002	0.00000	0.00000

	Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**	
Total DPM	0.000E+00	2.000E-05	2.000E-05	4.000E-05	
Average Emissions					
Grams	0.000E+00	1.816E+01	1.816E+01		
Grams/sec	0.000E+00	6.075E-07	6.075E-07		
Default Distance	0.25	0.25	0.25	Default Vehicle Travel Distance in CalEEMod (On-site Run)	
Vehicle Travel Distances in the Construction HRA (miles)					
Road Segment 1 (mi)	0.50	0.50	0.50	On-site	
Road Segment 2 (mi)	0.22	0.22	0.22	Off-site	
Trip Distribution (percent)					
Road Segment 1	100.0%	100.0%	100.0%		
Road Segment 2	100.0%	100.0%	100.0%		
Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**	
Road Segment 1	0.000E+00	1.222E-06	1.222E-06	2.4441E-06	Residential Development
Road Segment 2	0.000E+00	5.251E-07	5.251E-07	1.0502E-06	Residential Development

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Unmitigated)

Commercial Development

Estimation of Annual Offsite Construction DPM Emissions (Unmitigated)

Start of Construction	8/1/2022		
End of Construction	8/24/2023		**Total**
Number of Days	388		388
Number of Hours	9,312		9,312

	2022	2022	2022	2023	2023	2023
Construction Trip Type	Site Preparation	Grading	Building Construction	Building Construction	Paving	Architectural Coating
Haul Truck	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000
Vendor Truck	0.00000	0.00000	0.00006	0.00004	0.00000	0.00000
Worker	0.00000	0.00000	0.00002	0.00003	0.00000	0.00000
Total	0.00000	0.00001	0.00008	0.00007	0.00000	0.00000

	Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**	
Total DPM	1.000E-05	1.000E-04	5.000E-05	1.600E-04	
Average Emissions					
Grams	9.080E+00	9.080E+01	4.540E+01		
Grams/sec	2.709E-07	2.709E-06	1.354E-06		
Default Distance	0.25	0.25	0.25	Default Vehicle Travel Distance in CalEEMod (On-site Run)	
Vehicle Travel Distances in the Construction HRA (miles)					
Road Segment 1 (mi)	0.50	0.50	0.50		
Road Segment 2 (mi)	0.22	0.22	0.22		
Trip Distribution (percent)					
Road Segment 1	100.0%	100.0%	100.0%		
Road Segment 2	100.0%	100.0%	100.0%		

Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**	
Road Segment 1	5.449E-07	5.449E-06	2.724E-06	8.718E-06	Commercial Development
Road Segment 2	2.341E-07	2.341E-06	1.171E-06	3.746E-06	Commercial Development

OEHHA Cancer Risk Methodology

Cancer Risk = DPM x CPF x ASF x DBR x ED x EF x TAH x AF/ AT

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment

Cancer Risk Calculations Using OEHHA Cancer Risk Assumptions

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Unmitigated)

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant (Starting in 3rd Trimester)

UTM: 302083.25 4020914.24

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Construction Annual DPM Emissions (as PM10 Exhaust) Unmitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.39607	10	361	1	0.25	5.39
0-<1	0.39607	10	1,090	1	0.81	52.89
				Total		58.28

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child (2<9)

UTM: 302083.25 4020914.24

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Construction Annual DPM Emissions (as PM10 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
Entire Duration	0.39607	3	861	1	1.06	16.39
					Total	16.39

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 302083.25 4020914.24

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM10 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
Entire Duration	0.39607	1	290	1	1.06	1.84
					Total	1.84

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Unmitigated)

Total Construction MER UTM: 302083.25 4020914.24

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)
Unmitigated
Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor
Reference Exposure Level (REL) for DPM: 5 ug/m3
CNCHI = DPM/REL

X (m)	Y (m)	Total DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
302083.25	4020914.24	0.39607	0.3961	0.079

Health Risk Assessment

Construction Health Risk Assessment

Unmitigated Concentrations

(AERMOD Output)

Unmitigated Construction Scenario

Proposed Camino Castaneda Commercial and Residential Development Project—Farmersville, CA

ANNUAL

AVERAGE CONC		Off-site MER UTM	
		X	Y
Maximum	0.48068		
Off-site Receptor Maximum	0.39607	302083.25	4020914.24

* AERMOD (21112): G:\0014.010\Unmitigated Construction\Unmitigated Construction n.isc 5/29/2022
* AERMET (18081):5:20:52 PM
* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 4 YEARS FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 1063 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	GROUP
302053.07	4021042.30	0.27423	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.89	4021033.16	0.30754	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.98	4021019.75	0.35736	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.81	4021010.62	0.38509	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302053.56	4020997.33	0.41547	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302053.39	4020988.19	0.43129	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.79	4020975.88	0.44758	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.61	4020966.74	0.45674	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.79	4020938.77	0.4739	110.26	110.26	1.2	ANNUAL	ALL	4		On-site
302052.61	4020929.63	0.47709	110.17	110.17	1.2	ANNUAL	ALL	4		On-site
302052.79	4020916.93	0.48004	110.06	110.06	1.2	ANNUAL	ALL	4		On-site
302052.61	4020907.79	0.48068	110.06	110.06	1.2	ANNUAL	ALL	4		On-site
302053.76	4020894.50	0.47242	110.07	110.07	1.2	ANNUAL	ALL	4		On-site
302053.58	4020885.37	0.45713	110.07	110.07	1.2	ANNUAL	ALL	4		On-site
302053.76	4020872.47	0.41842	110.05	110.05	1.2	ANNUAL	ALL	4		On-site
302053.58	4020863.33	0.38662	110.04	110.04	1.2	ANNUAL	ALL	4		On-site
302053.95	4020953.63	0.4662	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
301983.02	4020905.47	0.36839	110	110	1.2	ANNUAL	ALL	4		On-site
301991.54	4020905.19	0.40036	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302004.18	4020905.47	0.44264	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302012.70	4020905.19	0.46155	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
301985.86	4020865.57	0.2107	109.99	109.99	1.2	ANNUAL	ALL	4		On-site
301994.38	4020865.28	0.24934	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302008.01	4020865.71	0.30961	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302016.53	4020865.42	0.33662	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302268.08	4020737.39	0.03126	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302283.00	4020772.73	0.03242	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302297.92	4020808.06	0.03163	110.5	110.5	1.2	ANNUAL	ALL	4		Off-site
302095.52	4020559.24	0.01228	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302131.09	4020573.61	0.01451	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302166.65	4020587.99	0.01655	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302288.25	4020666.43	0.02149	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302303.16	4020701.77	0.02339	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302318.08	4020737.10	0.02447	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302333.00	4020772.44	0.0244	110.64	110.64	1.2	ANNUAL	ALL	4		Off-site
302347.92	4020807.77	0.02327	110.64	110.64	1.2	ANNUAL	ALL	4		Off-site
302059.96	4020544.87	0.01009	109.83	109.83	1.2	ANNUAL	ALL	4		Off-site
302021.58	4020545.24	0.00871	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site
301983.19	4020545.61	0.0073	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site
302095.05	4020509.25	0.00907	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302130.61	4020523.62	0.01065	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302166.17	4020537.99	0.01217	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302201.73	4020552.36	0.01352	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302237.29	4020566.73	0.01453	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302272.85	4020581.10	0.01507	110.14	110.14	1.2	ANNUAL	ALL	4		Off-site
302323.33	4020630.80	0.01674	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302338.25	4020666.14	0.0181	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302353.16	4020701.47	0.01898	110.59	110.59	1.2	ANNUAL	ALL	4		Off-site
302368.08	4020736.81	0.01924	110.64	110.64	1.2	ANNUAL	ALL	4		Off-site
302383.00	4020772.14	0.01877	110.64	110.64	1.2	ANNUAL	ALL	4		Off-site
302059.48	4020494.88	0.00756	109.83	109.83	1.2	ANNUAL	ALL	4		Off-site
302021.10	4020495.24	0.00658	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site

301982.71	4020495.61	0.00561	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301944.33	4020495.98	0.00474	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301905.94	4020496.35	0.00398	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301867.55	4020496.72	0.00331	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302094.57	4020459.25	0.00693	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302130.13	4020473.62	0.00807	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302165.69	4020487.99	0.00921	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302201.25	4020502.36	0.01028	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302236.81	4020516.73	0.0112	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302272.37	4020531.10	0.01187	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302307.93	4020545.47	0.01221	110.14	110.14	1.2	ANNUAL	ALL	4	Off-site
302358.41	4020595.18	0.01339	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302373.33	4020630.51	0.0144	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302388.24	4020665.85	0.01512	110.52	110.52	1.2	ANNUAL	ALL	4	Off-site
302403.16	4020701.18	0.01546	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302418.08	4020736.52	0.01533	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302433.00	4020771.85	0.01468	110.88	110.88	1.2	ANNUAL	ALL	4	Off-site
302059.01	4020444.88	0.00585	109.82	109.82	1.2	ANNUAL	ALL	4	Off-site
302020.62	4020445.25	0.00514	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301982.23	4020445.61	0.00443	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301943.85	4020445.98	0.0038	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301905.46	4020446.35	0.00326	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301867.08	4020446.72	0.00278	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302093.61	4020359.25	0.00438	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302121.64	4020387.56	0.00526	109.91	109.91	1.2	ANNUAL	ALL	4	Off-site
302164.73	4020387.99	0.00568	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302194.64	4020390.31	0.00597	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302217.77	4020387.36	0.00604	109.91	109.91	1.2	ANNUAL	ALL	4	Off-site
302271.41	4020431.11	0.00754	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302306.97	4020445.48	0.008	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302342.53	4020459.85	0.00833	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302378.09	4020474.22	0.00848	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302428.57	4020523.92	0.00913	110.2	110.2	1.2	ANNUAL	ALL	4	Off-site
302443.49	4020559.26	0.00971	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302458.41	4020594.59	0.01018	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302473.32	4020629.93	0.01049	110.46	110.46	1.2	ANNUAL	ALL	4	Off-site
302488.24	4020665.26	0.0106	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302503.16	4020700.60	0.01047	110.67	110.67	1.2	ANNUAL	ALL	4	Off-site
302518.08	4020735.93	0.01007	110.94	110.94	1.2	ANNUAL	ALL	4	Off-site
302533.00	4020771.26	0.00947	110.98	110.98	1.2	ANNUAL	ALL	4	Off-site
302058.05	4020344.88	0.00377	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302019.66	4020345.25	0.00335	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301981.27	4020345.62	0.00295	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301942.89	4020345.99	0.00259	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301904.50	4020346.35	0.00227	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301866.12	4020346.72	0.00201	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302092.65	4020259.26	0.00299	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302128.21	4020273.63	0.00338	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302163.77	4020288.00	0.00379	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302199.33	4020302.37	0.0042	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302234.89	4020316.74	0.00462	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302270.45	4020331.11	0.00502	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302306.01	4020345.48	0.0054	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302341.57	4020359.85	0.00573	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302377.13	4020374.22	0.00599	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302412.70	4020388.59	0.00616	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302448.26	4020402.96	0.00623	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
302498.73	4020452.67	0.00662	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302513.65	4020488.00	0.00699	110.17	110.17	1.2	ANNUAL	ALL	4	Off-site
302528.57	4020523.34	0.00729	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302543.49	4020558.67	0.00752	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302558.41	4020594.01	0.00767	110.4	110.4	1.2	ANNUAL	ALL	4	Off-site
302573.32	4020629.34	0.0077	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302588.24	4020664.68	0.0076	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302603.16	4020700.01	0.00734	110.87	110.87	1.2	ANNUAL	ALL	4	Off-site
302618.08	4020735.35	0.00694	111.21	111.21	1.2	ANNUAL	ALL	4	Off-site
302632.99	4020770.68	0.00647	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302057.09	4020244.89	0.00261	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302018.70	4020245.26	0.00235	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

301980.32	4020245.62	0.00209	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301941.93	4020245.99	0.00186	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301903.54	4020246.36	0.00167	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301865.16	4020246.73	0.0015	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302091.69	4020159.26	0.00215	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302127.25	4020173.63	0.00241	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302162.81	4020188.00	0.00268	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302198.37	4020202.37	0.00295	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302233.93	4020216.74	0.00323	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302269.49	4020231.12	0.00351	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302305.05	4020245.49	0.00378	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302340.62	4020259.86	0.00404	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302376.18	4020274.23	0.00428	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302411.74	4020288.60	0.00448	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302447.30	4020302.97	0.00463	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302482.86	4020317.34	0.00473	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302518.42	4020331.71	0.00476	109.97	109.97	1.2	ANNUAL	ALL	4	Off-site
302568.90	4020381.41	0.00502	110.04	110.04	1.2	ANNUAL	ALL	4	Off-site
302583.81	4020416.75	0.00526	110.29	110.29	1.2	ANNUAL	ALL	4	Off-site
302598.73	4020452.08	0.00546	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302613.65	4020487.42	0.00563	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302628.57	4020522.75	0.00576	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302643.49	4020558.09	0.00584	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302658.40	4020593.42	0.00585	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302673.32	4020628.76	0.00577	110.36	110.36	1.2	ANNUAL	ALL	4	Off-site
302688.24	4020664.09	0.0056	110.46	110.46	1.2	ANNUAL	ALL	4	Off-site
302703.16	4020699.43	0.00534	110.41	110.41	1.2	ANNUAL	ALL	4	Off-site
302718.07	4020734.76	0.00502	110.45	110.45	1.2	ANNUAL	ALL	4	Off-site
302732.99	4020770.09	0.00467	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302056.13	4020144.89	0.00191	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302017.74	4020145.26	0.00173	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301979.36	4020145.63	0.00156	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301940.97	4020146.00	0.00141	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301902.59	4020146.36	0.00127	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301864.20	4020146.73	0.00116	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302090.73	4020059.27	0.00162	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302126.29	4020073.64	0.0018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302161.85	4020088.01	0.00198	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302197.41	4020102.38	0.00217	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302232.97	4020116.75	0.00236	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302268.54	4020131.12	0.00255	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302304.10	4020145.49	0.00275	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302339.66	4020159.86	0.00295	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302375.22	4020174.23	0.00314	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302410.78	4020188.60	0.00331	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302446.34	4020202.97	0.00347	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302481.90	4020217.34	0.00359	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302517.46	4020231.71	0.00368	109.91	109.91	1.2	ANNUAL	ALL	4	Off-site
302553.02	4020246.08	0.00374	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302588.58	4020260.45	0.00376	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302639.06	4020310.16	0.00394	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302653.98	4020345.49	0.00411	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302668.90	4020380.83	0.00426	109.86	109.86	1.2	ANNUAL	ALL	4	Off-site
302683.81	4020416.16	0.00438	109.91	109.91	1.2	ANNUAL	ALL	4	Off-site
302698.73	4020451.50	0.00449	109.51	109.51	1.2	ANNUAL	ALL	4	Off-site
302713.65	4020486.83	0.00457	109.33	109.33	1.2	ANNUAL	ALL	4	Off-site
302728.57	4020522.17	0.00461	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
302743.48	4020557.50	0.0046	109.92	109.92	1.2	ANNUAL	ALL	4	Off-site
302758.40	4020592.84	0.00454	110.23	110.23	1.2	ANNUAL	ALL	4	Off-site
302773.32	4020628.17	0.00441	110.31	110.31	1.2	ANNUAL	ALL	4	Off-site
302788.24	4020663.51	0.00424	109.85	109.85	1.2	ANNUAL	ALL	4	Off-site
302803.16	4020698.84	0.00402	109.33	109.33	1.2	ANNUAL	ALL	4	Off-site
302818.07	4020734.17	0.00377	109.49	109.49	1.2	ANNUAL	ALL	4	Off-site
302832.99	4020769.51	0.0035	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302055.17	4020044.90	0.00145	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302016.78	4020045.26	0.00133	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301978.40	4020045.63	0.00121	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301940.01	4020046.00	0.0011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301901.63	4020046.37	0.001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

301863.24	4020046.74	0.00092	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301739.20	4020826.55	0.00608	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301746.57	4020808.64	0.00562	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301753.94	4020790.72	0.00524	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301734.07	4020790.40	0.00469	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301741.48	4020772.39	0.0044	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301748.89	4020754.37	0.00418	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301699.29	4020826.34	0.00495	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301706.73	4020808.25	0.00457	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301736.51	4020735.87	0.00358	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301745.28	4020719.08	0.0035	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301647.73	4020831.28	0.00407	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301679.18	4020826.59	0.00452	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301686.53	4020808.72	0.00419	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301691.28	4020780.42	0.00363	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301680.39	4020763.59	0.00318	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301687.74	4020745.72	0.003	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301733.26	4020698.34	0.00303	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301731.25	4020681.96	0.00282	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301610.54	4020815.82	0.00324	109.49	109.49	1.2	ANNUAL	ALL	4	Off-site
301629.26	4020826.40	0.00368	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301644.11	4020790.31	0.00319	109.57	109.57	1.2	ANNUAL	ALL	4	Off-site
301651.53	4020772.27	0.00298	109.64	109.64	1.2	ANNUAL	ALL	4	Off-site
301658.95	4020754.23	0.0028	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301666.38	4020736.18	0.00264	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301673.80	4020718.14	0.00251	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301681.23	4020700.09	0.00241	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301688.65	4020682.05	0.00232	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301700.03	4020667.92	0.00232	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301729.47	4020662.41	0.00261	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301730.24	4020644.39	0.00246	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301579.23	4020826.49	0.00309	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301586.62	4020808.52	0.00287	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301594.01	4020790.55	0.00268	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301601.40	4020772.59	0.00251	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301608.79	4020754.62	0.00236	109.46	109.46	1.2	ANNUAL	ALL	4	Off-site
301616.18	4020736.65	0.00223	109.59	109.59	1.2	ANNUAL	ALL	4	Off-site
301623.58	4020718.68	0.00212	109.66	109.66	1.2	ANNUAL	ALL	4	Off-site
301630.97	4020700.72	0.00202	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301638.36	4020682.75	0.00194	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301645.75	4020664.78	0.00187	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301653.14	4020646.82	0.00181	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301666.71	4020631.81	0.0018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301684.61	4020624.24	0.00188	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301702.50	4020616.68	0.00198	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301720.40	4020609.11	0.00209	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301738.29	4020601.55	0.00223	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301529.28	4020826.36	0.00265	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301536.71	4020808.29	0.00247	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301544.15	4020790.21	0.0023	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301551.59	4020772.13	0.00215	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301559.02	4020754.06	0.00203	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301566.46	4020735.98	0.00192	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301573.90	4020717.90	0.00182	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301581.34	4020699.82	0.00174	109.45	109.45	1.2	ANNUAL	ALL	4	Off-site
301588.77	4020681.75	0.00167	109.59	109.59	1.2	ANNUAL	ALL	4	Off-site
301596.21	4020663.67	0.0016	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301603.65	4020645.59	0.00155	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301611.08	4020627.52	0.00149	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301618.52	4020609.44	0.00144	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301631.24	4020596.60	0.00144	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301649.25	4020588.99	0.00149	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301667.25	4020581.38	0.00155	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301685.26	4020573.77	0.00162	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301703.26	4020566.16	0.0017	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301721.27	4020558.55	0.00181	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301739.27	4020550.94	0.00193	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301471.84	4020844.45	0.00247	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301479.25	4020826.43	0.00231	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site

301486.66	4020808.42	0.00216	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301494.07	4020790.40	0.00202	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301501.48	4020772.39	0.00189	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301508.89	4020754.37	0.00177	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301516.31	4020736.36	0.00167	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301523.72	4020718.34	0.00159	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301531.13	4020700.33	0.00152	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301538.54	4020682.31	0.00146	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301545.95	4020664.30	0.0014	109.56	109.56	1.2	ANNUAL	ALL	4	Off-site
301553.36	4020646.28	0.00135	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301560.77	4020628.27	0.00131	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301568.19	4020610.25	0.00127	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301575.60	4020592.24	0.00123	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301583.01	4020574.22	0.00119	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301597.93	4020560.48	0.00118	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301615.87	4020552.89	0.00121	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301633.82	4020545.31	0.00125	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301651.76	4020537.72	0.00129	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301669.70	4020530.14	0.00135	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301687.64	4020522.56	0.00142	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301705.59	4020514.97	0.0015	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301723.53	4020507.39	0.0016	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301741.47	4020499.81	0.00172	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301759.42	4020492.22	0.00185	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301777.36	4020484.64	0.002	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301795.30	4020477.05	0.00215	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301813.25	4020469.47	0.00232	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301831.19	4020461.89	0.00248	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301371.84	4020844.44	0.00193	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301379.26	4020826.40	0.00182	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301386.68	4020808.36	0.00172	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301394.11	4020790.31	0.00161	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301401.53	4020772.27	0.00151	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301408.95	4020754.23	0.00142	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301416.38	4020736.18	0.00134	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301423.80	4020718.14	0.00126	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301431.23	4020700.09	0.0012	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301438.65	4020682.05	0.00114	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301446.07	4020664.01	0.0011	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301453.50	4020645.96	0.00106	109.43	109.43	1.2	ANNUAL	ALL	4	Off-site
301460.92	4020627.92	0.00103	109.5	109.5	1.2	ANNUAL	ALL	4	Off-site
301468.34	4020609.87	0.001	109.64	109.64	1.2	ANNUAL	ALL	4	Off-site
301475.77	4020591.83	0.00097	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301483.19	4020573.79	0.00095	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301490.61	4020555.74	0.00092	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301498.04	4020537.70	0.0009	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301505.46	4020519.66	0.00087	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301512.88	4020501.61	0.00085	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301526.90	4020490.10	0.00084	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301544.87	4020482.50	0.00085	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301562.84	4020474.91	0.00086	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301580.81	4020467.31	0.00088	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301598.79	4020459.71	0.0009	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301616.76	4020452.12	0.00093	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301634.73	4020444.52	0.00096	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301652.70	4020436.93	0.00101	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301670.67	4020429.33	0.00107	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301688.64	4020421.73	0.00114	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301706.62	4020414.14	0.00122	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301724.59	4020406.54	0.00131	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301742.56	4020398.95	0.00141	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301760.53	4020391.35	0.00151	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301778.50	4020383.75	0.0016	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301796.48	4020376.16	0.0017	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301814.45	4020368.56	0.00179	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301832.42	4020360.97	0.00187	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301271.84	4020844.44	0.00157	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301279.27	4020826.38	0.00149	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301286.70	4020808.32	0.00141	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site

301294.13	4020790.25	0.00134	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301301.56	4020772.19	0.00126	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301309.00	4020754.13	0.00119	109.16	109.16	1.2	ANNUAL	ALL	4	Off-site
301316.43	4020736.06	0.00112	109.29	109.29	1.2	ANNUAL	ALL	4	Off-site
301323.86	4020718.00	0.00106	109.36	109.36	1.2	ANNUAL	ALL	4	Off-site
301331.29	4020699.94	0.001	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301338.72	4020681.87	0.00095	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301346.15	4020663.81	0.0009	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301353.58	4020645.75	0.00087	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301361.01	4020627.68	0.00083	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301368.45	4020609.62	0.00081	109.45	109.45	1.2	ANNUAL	ALL	4	Off-site
301375.88	4020591.56	0.00079	109.56	109.56	1.2	ANNUAL	ALL	4	Off-site
301383.31	4020573.50	0.00077	109.69	109.69	1.2	ANNUAL	ALL	4	Off-site
301390.74	4020555.43	0.00075	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301398.17	4020537.37	0.00074	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301405.60	4020519.31	0.00072	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301413.03	4020501.24	0.00071	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301420.47	4020483.18	0.00069	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301427.90	4020465.12	0.00068	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301435.33	4020447.05	0.00066	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301442.76	4020428.99	0.00064	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301458.11	4020418.77	0.00063	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301476.10	4020411.17	0.00064	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301494.09	4020403.56	0.00064	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301512.08	4020395.96	0.00064	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301530.07	4020388.35	0.00065	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301548.07	4020380.75	0.00066	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301566.06	4020373.15	0.00068	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301584.05	4020365.54	0.0007	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301602.04	4020357.94	0.00073	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301620.03	4020350.33	0.00077	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301638.02	4020342.73	0.00082	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301656.01	4020335.13	0.00087	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301674.00	4020327.52	0.00093	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301691.99	4020319.92	0.00099	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301709.99	4020312.31	0.00106	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301727.98	4020304.71	0.00112	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301745.97	4020297.11	0.00119	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301763.96	4020289.50	0.00125	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301781.95	4020281.90	0.0013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301799.94	4020274.29	0.00135	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301817.93	4020266.69	0.00139	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301171.84	4020844.44	0.0013	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301179.28	4020826.36	0.00125	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301186.71	4020808.29	0.00119	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301194.15	4020790.21	0.00113	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301201.59	4020772.13	0.00108	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301209.02	4020754.06	0.00102	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301216.46	4020735.98	0.00097	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301223.90	4020717.90	0.00091	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301231.34	4020699.82	0.00087	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301238.77	4020681.75	0.00082	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301246.21	4020663.67	0.00078	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301253.65	4020645.59	0.00074	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301261.08	4020627.52	0.00071	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301268.52	4020609.44	0.00068	109.2	109.2	1.2	ANNUAL	ALL	4	Off-site
301275.96	4020591.36	0.00066	109.39	109.39	1.2	ANNUAL	ALL	4	Off-site
301283.39	4020573.29	0.00064	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301290.83	4020555.21	0.00062	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301298.27	4020537.13	0.00061	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301305.71	4020519.06	0.0006	109.44	109.44	1.2	ANNUAL	ALL	4	Off-site
301313.14	4020500.98	0.00059	109.54	109.54	1.2	ANNUAL	ALL	4	Off-site
301320.58	4020482.90	0.00058	109.63	109.63	1.2	ANNUAL	ALL	4	Off-site
301328.02	4020464.82	0.00057	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301335.45	4020446.75	0.00056	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301342.89	4020428.67	0.00055	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301350.33	4020410.59	0.00054	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301357.76	4020392.52	0.00053	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301365.20	4020374.44	0.00052	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

301372.64	4020356.36	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301389.32	4020347.44	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301407.33	4020339.83	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301425.33	4020332.22	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301443.34	4020324.61	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301461.34	4020317.00	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301479.35	4020309.39	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301497.35	4020301.79	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301515.36	4020294.18	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301533.36	4020286.57	0.00053	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301551.37	4020278.96	0.00055	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301569.37	4020271.35	0.00058	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301587.38	4020263.74	0.00061	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301605.38	4020256.13	0.00065	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301623.39	4020248.52	0.00069	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301641.39	4020240.91	0.00073	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301659.39	4020233.30	0.00078	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301677.40	4020225.69	0.00083	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301695.40	4020218.08	0.00087	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301713.41	4020210.47	0.00092	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301731.41	4020202.86	0.00096	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301749.42	4020195.25	0.00099	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301767.42	4020187.64	0.00102	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301785.43	4020180.03	0.00105	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301803.43	4020172.42	0.00108	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301821.44	4020164.81	0.0011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301071.84	4020844.44	0.00111	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301079.28	4020826.35	0.00106	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301086.72	4020808.26	0.00102	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301094.16	4020790.18	0.00098	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301101.61	4020772.09	0.00093	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301109.05	4020754.00	0.00089	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301116.49	4020735.92	0.00085	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301123.93	4020717.83	0.00081	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301131.37	4020699.74	0.00077	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301138.81	4020681.65	0.00073	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301146.25	4020663.57	0.00069	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301153.69	4020645.48	0.00066	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301161.14	4020627.39	0.00063	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301168.58	4020609.30	0.0006	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301176.02	4020591.22	0.00058	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301183.46	4020573.13	0.00055	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301190.90	4020555.04	0.00054	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301198.34	4020536.95	0.00052	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301205.78	4020518.87	0.00051	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301213.22	4020500.78	0.0005	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301220.67	4020482.69	0.00049	109.17	109.17	1.2	ANNUAL	ALL	4	Off-site
301228.11	4020464.61	0.00048	109.3	109.3	1.2	ANNUAL	ALL	4	Off-site
301235.55	4020446.52	0.00048	109.38	109.38	1.2	ANNUAL	ALL	4	Off-site
301242.99	4020428.43	0.00047	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301250.43	4020410.34	0.00047	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301257.87	4020392.26	0.00046	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301265.31	4020374.17	0.00045	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301272.75	4020356.08	0.00045	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301280.20	4020337.99	0.00044	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301287.64	4020319.91	0.00043	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301295.08	4020301.82	0.00042	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301304.77	4020282.78	0.0004	109.46	109.46	1.2	ANNUAL	ALL	4	Off-site
301322.79	4020275.17	0.0004	109.56	109.56	1.2	ANNUAL	ALL	4	Off-site
301340.80	4020267.55	0.0004	109.6	109.6	1.2	ANNUAL	ALL	4	Off-site
301358.82	4020259.94	0.0004	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301376.83	4020252.32	0.00039	109.7	109.7	1.2	ANNUAL	ALL	4	Off-site
301394.85	4020244.71	0.00039	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301412.86	4020237.09	0.00039	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301430.88	4020229.48	0.00039	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301448.89	4020221.87	0.00039	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301466.91	4020214.25	0.0004	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301484.92	4020206.64	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301502.94	4020199.02	0.00043	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

301520.95	4020191.41	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301538.97	4020183.79	0.00047	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301556.98	4020176.18	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301575.00	4020168.57	0.00053	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301593.01	4020160.95	0.00057	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301611.03	4020153.34	0.0006	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301629.04	4020145.72	0.00064	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301647.06	4020138.11	0.00067	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301665.07	4020130.49	0.0007	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301683.09	4020122.88	0.00074	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301701.10	4020115.27	0.00076	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301719.12	4020107.65	0.00079	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301737.13	4020100.04	0.00081	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301755.15	4020092.42	0.00083	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301773.17	4020084.81	0.00084	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301791.18	4020077.19	0.00086	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301809.20	4020069.58	0.00087	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301691.44	4020885.98	0.00713	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301691.95	4020920.12	0.00913	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301685.69	4020944.87	0.01045	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301709.66	4020968.06	0.01441	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301693.49	4021022.52	0.017	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301694.00	4021056.66	0.01894	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301671.44	4020886.28	0.00644	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301671.96	4020920.42	0.00815	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301665.69	4020945.17	0.00926	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301689.66	4020968.36	0.01251	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301673.49	4021022.82	0.01475	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301674.00	4021056.96	0.01646	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301621.45	4020887.03	0.00513	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301621.96	4020921.17	0.00632	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301622.47	4020955.30	0.00773	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301622.98	4020989.44	0.00927	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301623.50	4021023.57	0.01078	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301624.01	4021057.71	0.01205	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301571.46	4020887.78	0.00422	109.44	109.44	1.2	ANNUAL	ALL	4	Off-site
301571.97	4020921.92	0.00508	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301572.48	4020956.05	0.00606	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301572.99	4020990.19	0.00714	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301573.50	4021024.32	0.00822	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301574.01	4021058.46	0.00919	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301521.46	4020888.53	0.00355	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301521.97	4020922.67	0.0042	109.44	109.44	1.2	ANNUAL	ALL	4	Off-site
301522.48	4020956.80	0.00491	109.55	109.55	1.2	ANNUAL	ALL	4	Off-site
301523.00	4020990.94	0.00568	109.63	109.63	1.2	ANNUAL	ALL	4	Off-site
301523.51	4021025.07	0.00648	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301524.02	4021059.21	0.00723	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301471.47	4020889.28	0.00304	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301471.98	4020923.42	0.00353	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301472.49	4020957.55	0.00407	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301473.00	4020991.69	0.00464	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301473.51	4021025.82	0.00524	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301474.02	4021059.96	0.00583	109.6	109.6	1.2	ANNUAL	ALL	4	Off-site
301371.48	4020890.78	0.00232	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301371.99	4020924.91	0.00262	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301372.50	4020959.05	0.00294	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301373.01	4020993.18	0.00329	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301373.52	4021027.32	0.00365	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301374.04	4021061.45	0.00402	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301271.49	4020892.28	0.00184	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301272.00	4020926.41	0.00204	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301272.51	4020960.55	0.00225	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301273.02	4020994.68	0.00247	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301273.54	4021028.82	0.0027	109.14	109.14	1.2	ANNUAL	ALL	4	Off-site
301274.05	4021062.95	0.00294	109.16	109.16	1.2	ANNUAL	ALL	4	Off-site
301171.50	4020893.78	0.0015	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301172.01	4020927.91	0.00165	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301172.52	4020962.05	0.00179	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301173.04	4020996.18	0.00194	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site

301173.55	4021030.32	0.00209	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301174.06	4021064.45	0.00225	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301071.51	4020895.28	0.00126	108.93	108.93	1.2	ANNUAL	ALL	4	Off-site
301072.02	4020929.41	0.00136	108.94	108.94	1.2	ANNUAL	ALL	4	Off-site
301072.53	4020963.55	0.00147	108.94	108.94	1.2	ANNUAL	ALL	4	Off-site
301073.05	4020997.68	0.00157	108.95	108.95	1.2	ANNUAL	ALL	4	Off-site
301073.56	4021031.82	0.00168	108.95	108.95	1.2	ANNUAL	ALL	4	Off-site
301074.07	4021065.95	0.00179	109.11	109.11	1.2	ANNUAL	ALL	4	Off-site
301697.15	4021135.67	0.02024	109.86	109.86	1.2	ANNUAL	ALL	4	Off-site
301695.74	4021102.31	0.0203	109.74	109.74	1.2	ANNUAL	ALL	4	Off-site
301912.65	4021253.83	0.02647	110.07	110.07	1.2	ANNUAL	ALL	4	Off-site
301950.66	4021253.71	0.02632	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301988.68	4021253.59	0.02543	110.27	110.27	1.2	ANNUAL	ALL	4	Off-site
302026.70	4021253.46	0.02385	110.28	110.28	1.2	ANNUAL	ALL	4	Off-site
302064.71	4021253.34	0.02156	110.31	110.31	1.2	ANNUAL	ALL	4	Off-site
301679.69	4021194.29	0.01683	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301673.59	4021143.20	0.01742	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
301653.93	4021127.56	0.01563	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301638.97	4021092.63	0.01404	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301894.97	4021287.31	0.02121	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
301912.81	4021303.83	0.01901	110.21	110.21	1.2	ANNUAL	ALL	4	Off-site
301952.43	4021293.14	0.02	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301988.84	4021303.59	0.01814	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302026.86	4021303.46	0.01717	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302064.88	4021303.34	0.01582	110.06	110.06	1.2	ANNUAL	ALL	4	Off-site
301696.38	4021270.35	0.01509	110.08	110.08	1.2	ANNUAL	ALL	4	Off-site
301648.83	4021233.09	0.01358	109.98	109.98	1.2	ANNUAL	ALL	4	Off-site
301633.87	4021198.16	0.01336	109.77	109.77	1.2	ANNUAL	ALL	4	Off-site
301618.90	4021163.24	0.01282	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301603.94	4021128.31	0.01194	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301588.98	4021093.38	0.01069	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301912.97	4021353.83	0.01432	110.27	110.27	1.2	ANNUAL	ALL	4	Off-site
301950.99	4021353.71	0.01398	110.08	110.08	1.2	ANNUAL	ALL	4	Off-site
301989.01	4021353.59	0.01355	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302027.02	4021353.46	0.01292	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302065.04	4021353.34	0.01207	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301700.19	4021305.76	0.01367	110.14	110.14	1.2	ANNUAL	ALL	4	Off-site
301663.96	4021308.64	0.01219	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301613.80	4021268.77	0.01107	109.87	109.87	1.2	ANNUAL	ALL	4	Off-site
301598.83	4021233.84	0.01095	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301583.87	4021198.91	0.01066	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301568.91	4021163.99	0.01016	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301553.95	4021129.06	0.00941	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301538.98	4021094.13	0.0084	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301913.14	4021403.83	0.01118	110.17	110.17	1.2	ANNUAL	ALL	4	Off-site
301951.15	4021403.71	0.01084	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301989.17	4021403.59	0.01051	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302027.19	4021403.46	0.01007	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302065.20	4021403.34	0.00951	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301699.31	4021382.34	0.01053	109.88	109.88	1.2	ANNUAL	ALL	4	Off-site
301664.12	4021368.02	0.01034	109.77	109.77	1.2	ANNUAL	ALL	4	Off-site
301628.92	4021353.70	0.00987	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301578.77	4021304.44	0.00923	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301563.80	4021269.52	0.00915	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301548.84	4021234.59	0.00897	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301533.88	4021199.66	0.00869	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301518.91	4021164.74	0.00825	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301503.95	4021129.81	0.0076	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301488.99	4021094.88	0.00676	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301913.30	4021453.83	0.00884	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301951.32	4021453.71	0.00861	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301989.33	4021453.59	0.00838	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302027.35	4021453.46	0.00807	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302065.36	4021453.34	0.00768	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301840.42	4021539.63	0.00632	108.6	108.6	1.2	ANNUAL	ALL	4	Off-site
301805.22	4021525.31	0.00663	108.22	108.22	1.2	ANNUAL	ALL	4	Off-site
301699.64	4021482.34	0.00745	108.29	108.29	1.2	ANNUAL	ALL	4	Off-site
301664.44	4021468.02	0.0076	108.46	108.46	1.2	ANNUAL	ALL	4	Off-site
301629.25	4021453.69	0.00762	108.85	108.85	1.2	ANNUAL	ALL	4	Off-site

301594.06	4021439.37	0.00747	108.85	108.85	1.2	ANNUAL	ALL	4	Off-site
301558.86	4021425.05	0.00715	108.87	108.87	1.2	ANNUAL	ALL	4	Off-site
301508.70	4021375.80	0.00674	109.63	109.63	1.2	ANNUAL	ALL	4	Off-site
301493.74	4021340.87	0.0067	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301478.78	4021305.94	0.00661	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301463.81	4021271.02	0.00651	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301448.85	4021236.09	0.00636	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301433.89	4021201.16	0.00611	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301418.93	4021166.24	0.00573	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301403.96	4021131.31	0.00521	109.44	109.44	1.2	ANNUAL	ALL	4	Off-site
301389.00	4021096.38	0.00462	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301913.63	4021553.83	0.00594	109.17	109.17	1.2	ANNUAL	ALL	4	Off-site
301951.64	4021553.71	0.00585	109.52	109.52	1.2	ANNUAL	ALL	4	Off-site
301989.66	4021553.59	0.00572	109.67	109.67	1.2	ANNUAL	ALL	4	Off-site
302027.67	4021553.46	0.00555	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302065.69	4021553.34	0.00534	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301840.74	4021639.63	0.00457	108.52	108.52	1.2	ANNUAL	ALL	4	Off-site
301805.55	4021625.31	0.00478	108.73	108.73	1.2	ANNUAL	ALL	4	Off-site
301770.35	4021610.99	0.00499	108.94	108.94	1.2	ANNUAL	ALL	4	Off-site
301735.16	4021596.66	0.0052	109.16	109.16	1.2	ANNUAL	ALL	4	Off-site
301699.97	4021582.34	0.0054	109.2	109.2	1.2	ANNUAL	ALL	4	Off-site
301664.77	4021568.02	0.00559	109.18	109.18	1.2	ANNUAL	ALL	4	Off-site
301629.58	4021553.69	0.00574	109.24	109.24	1.2	ANNUAL	ALL	4	Off-site
301594.38	4021539.37	0.00582	109.35	109.35	1.2	ANNUAL	ALL	4	Off-site
301559.19	4021525.05	0.00581	109.43	109.43	1.2	ANNUAL	ALL	4	Off-site
301523.99	4021510.72	0.00568	109.4	109.4	1.2	ANNUAL	ALL	4	Off-site
301488.80	4021496.40	0.00545	108.4	108.4	1.2	ANNUAL	ALL	4	Off-site
301438.64	4021447.15	0.00518	108.87	108.87	1.2	ANNUAL	ALL	4	Off-site
301423.68	4021412.22	0.00515	109.26	109.26	1.2	ANNUAL	ALL	4	Off-site
301408.72	4021377.30	0.0051	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301393.75	4021342.37	0.00505	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301378.79	4021307.44	0.00499	109.43	109.43	1.2	ANNUAL	ALL	4	Off-site
301363.83	4021272.52	0.0049	109.46	109.46	1.2	ANNUAL	ALL	4	Off-site
301348.86	4021237.59	0.00475	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301333.90	4021202.66	0.00451	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301318.94	4021167.73	0.00417	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301303.97	4021132.81	0.00376	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301289.01	4021097.88	0.00334	109.31	109.31	1.2	ANNUAL	ALL	4	Off-site
301913.95	4021653.83	0.00431	108.2	108.2	1.2	ANNUAL	ALL	4	Off-site
301951.97	4021653.71	0.00425	108.32	108.32	1.2	ANNUAL	ALL	4	Off-site
301989.99	4021653.58	0.00417	108.36	108.36	1.2	ANNUAL	ALL	4	Off-site
302028.00	4021653.46	0.00407	108.36	108.36	1.2	ANNUAL	ALL	4	Off-site
302066.02	4021653.34	0.00395	108.36	108.36	1.2	ANNUAL	ALL	4	Off-site
301841.07	4021739.63	0.00347	109.23	109.23	1.2	ANNUAL	ALL	4	Off-site
301805.87	4021725.31	0.00362	109.46	109.46	1.2	ANNUAL	ALL	4	Off-site
301770.68	4021710.99	0.00377	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301735.49	4021696.66	0.00391	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301700.29	4021682.34	0.00406	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301665.10	4021668.02	0.00421	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301629.90	4021653.69	0.00436	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301594.71	4021639.37	0.00449	109.78	109.78	1.2	ANNUAL	ALL	4	Off-site
301559.51	4021625.05	0.00458	109.9	109.9	1.2	ANNUAL	ALL	4	Off-site
301524.32	4021610.72	0.00462	109.76	109.76	1.2	ANNUAL	ALL	4	Off-site
301489.13	4021596.40	0.00459	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301453.93	4021582.08	0.00449	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301418.74	4021567.75	0.00432	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301368.58	4021518.50	0.00413	108.64	108.64	1.2	ANNUAL	ALL	4	Off-site
301353.62	4021483.58	0.00411	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301338.65	4021448.65	0.00407	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301323.69	4021413.72	0.00403	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301308.73	4021378.80	0.004	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301293.76	4021343.87	0.00397	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301278.80	4021308.94	0.00392	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301263.84	4021274.01	0.00383	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301248.87	4021239.09	0.00366	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301233.91	4021204.16	0.00343	109.4	109.4	1.2	ANNUAL	ALL	4	Off-site
301218.95	4021169.23	0.00314	109.15	109.15	1.2	ANNUAL	ALL	4	Off-site
301203.98	4021134.31	0.00283	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301189.02	4021099.38	0.00253	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site

301876.26	4021753.96	0.00332	109.11	109.11	1.2	ANNUAL	ALL	4	Off-site
301914.28	4021753.83	0.00329	109.08	109.08	1.2	ANNUAL	ALL	4	Off-site
301952.30	4021753.71	0.00325	109.08	109.08	1.2	ANNUAL	ALL	4	Off-site
301990.31	4021753.58	0.0032	109.08	109.08	1.2	ANNUAL	ALL	4	Off-site
302028.33	4021753.46	0.00313	109.07	109.07	1.2	ANNUAL	ALL	4	Off-site
302066.34	4021753.34	0.00306	109.07	109.07	1.2	ANNUAL	ALL	4	Off-site
301841.40	4021839.63	0.00274	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301806.20	4021825.31	0.00285	109.74	109.74	1.2	ANNUAL	ALL	4	Off-site
301771.01	4021810.99	0.00296	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
301735.81	4021796.66	0.00306	109.92	109.92	1.2	ANNUAL	ALL	4	Off-site
301700.62	4021782.34	0.00317	109.98	109.98	1.2	ANNUAL	ALL	4	Off-site
301665.42	4021768.02	0.00328	110	110	1.2	ANNUAL	ALL	4	Off-site
301630.23	4021753.69	0.00339	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301595.03	4021739.37	0.0035	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301559.84	4021725.05	0.00361	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301524.65	4021710.72	0.00371	109.88	109.88	1.2	ANNUAL	ALL	4	Off-site
301489.45	4021696.40	0.00377	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301454.26	4021682.08	0.00378	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301419.06	4021667.75	0.00374	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301383.87	4021653.43	0.00366	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301348.67	4021639.11	0.00353	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301298.52	4021589.86	0.00339	108.36	108.36	1.2	ANNUAL	ALL	4	Off-site
301283.55	4021554.93	0.00338	109.56	109.56	1.2	ANNUAL	ALL	4	Off-site
301268.59	4021520.00	0.00335	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301253.63	4021485.08	0.00332	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301238.66	4021450.15	0.00329	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301223.70	4021415.22	0.00327	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301208.74	4021380.29	0.00325	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301193.77	4021345.37	0.00322	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301178.81	4021310.44	0.00316	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301163.85	4021275.51	0.00305	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301148.89	4021240.59	0.00288	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301133.92	4021205.66	0.00267	109.2	109.2	1.2	ANNUAL	ALL	4	Off-site
301118.96	4021170.73	0.00243	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301104.00	4021135.80	0.0022	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301089.03	4021100.88	0.00198	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301876.59	4021853.96	0.00263	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301914.61	4021853.83	0.0026	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301952.62	4021853.71	0.00257	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301990.64	4021853.58	0.00254	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302028.65	4021853.46	0.0025	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302066.67	4021853.34	0.00244	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302084.06	4021053.22	0.16979	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.86	4021018.48	0.29142	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.65	4020983.73	0.36094	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.45	4020948.98	0.38925	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.25	4020914.24	0.39607	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.04	4020879.49	0.37552	110.26	110.26	1.2	ANNUAL	ALL	4	Off-site
302104.06	4021053.11	0.11914	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.86	4021018.36	0.19096	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.65	4020983.61	0.24328	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.45	4020948.87	0.26897	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.25	4020914.12	0.2772	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.04	4020879.37	0.26641	110.32	110.32	1.2	ANNUAL	ALL	4	Off-site
302115.37	4021074.28	0.07507	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302085.47	4021104.46	0.07486	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302124.06	4021052.99	0.08639	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.86	4021018.24	0.12846	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.65	4020983.50	0.16527	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.45	4020948.75	0.18733	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.25	4020914.00	0.19654	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.04	4020879.26	0.19167	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302132.47	4021081.26	0.05614	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302092.60	4021121.49	0.05689	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302144.06	4021052.87	0.0655	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302143.86	4021018.13	0.0921	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302143.65	4020983.38	0.11797	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302143.45	4020948.63	0.1361	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302143.25	4020913.89	0.14522	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site

302143.04	4020879.14	0.14381	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302154.40	4021076.41	0.04612	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302144.75	4021100.07	0.04128	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302111.52	4021133.60	0.04254	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302164.06	4021052.75	0.05145	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.85	4021018.01	0.06948	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.65	4020983.26	0.08807	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.45	4020948.51	0.10264	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.24	4020913.77	0.11099	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.04	4020879.02	0.11151	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302172.47	4021081.03	0.03696	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302160.89	4021109.42	0.0329	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302121.02	4021149.65	0.03437	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302092.73	4021161.49	0.03837	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302184.06	4021052.64	0.04155	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.85	4021017.89	0.05444	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.65	4020983.14	0.06818	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.45	4020948.40	0.07979	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.24	4020913.65	0.08709	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.04	4020878.90	0.08865	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302193.92	4021077.36	0.03127	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.78	4021102.20	0.02844	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302173.64	4021127.04	0.02609	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302138.76	4021162.25	0.02735	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302114.01	4021172.61	0.03036	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302089.26	4021182.98	0.03267	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302204.06	4021052.52	0.03431	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.85	4021017.77	0.04391	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.65	4020983.03	0.05434	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.45	4020948.28	0.06359	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.24	4020913.53	0.06983	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.04	4020878.79	0.07187	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302212.47	4021080.79	0.02614	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302200.88	4021109.18	0.02364	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302189.30	4021137.57	0.02164	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302149.43	4021177.81	0.02294	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302121.15	4021189.65	0.02567	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302092.86	4021201.49	0.02775	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302224.06	4021052.40	0.02885	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.85	4021017.66	0.03624	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.65	4020982.91	0.04432	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.45	4020948.16	0.05173	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.24	4020913.42	0.057	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.04	4020878.67	0.05921	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302231.02	4021084.22	0.02217	110.35	110.35	1.2	ANNUAL	ALL	4	Off-site
302217.99	4021116.16	0.01995	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302204.95	4021148.10	0.01821	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302160.10	4021193.36	0.01952	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302128.28	4021206.69	0.02201	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302096.46	4021220.01	0.02389	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302244.06	4021052.29	0.02457	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302243.85	4021017.54	0.0304	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302243.65	4020982.79	0.03677	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302243.45	4020948.05	0.04272	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302243.24	4020913.30	0.04718	110.47	110.47	1.2	ANNUAL	ALL	4	Off-site
302243.04	4020878.55	0.0494	110.43	110.43	1.2	ANNUAL	ALL	4	Off-site
302252.47	4021080.56	0.01942	110.57	110.57	1.2	ANNUAL	ALL	4	Off-site
302240.88	4021108.95	0.01776	110.45	110.45	1.2	ANNUAL	ALL	4	Off-site
302229.30	4021137.34	0.01637	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302217.71	4021165.73	0.01528	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302177.84	4021205.96	0.01633	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302149.56	4021217.80	0.01823	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302121.28	4021229.65	0.01987	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302092.99	4021241.49	0.02103	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302264.06	4021052.17	0.02119	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302263.85	4021017.42	0.02588	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302263.65	4020982.68	0.03097	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302263.45	4020947.93	0.0358	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302263.24	4020913.18	0.03955	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site

302263.04	4020878.44	0.04168	110.56	110.56	1.2	ANNUAL	ALL	4	Off-site
302301.99	4021081.45	0.01417	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302289.92	4021111.02	0.01299	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302277.85	4021140.59	0.01196	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302265.78	4021170.17	0.01116	110.54	110.54	1.2	ANNUAL	ALL	4	Off-site
302253.71	4021199.74	0.01061	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302212.18	4021241.65	0.01143	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302182.72	4021253.99	0.01273	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302153.26	4021266.32	0.01393	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.80	4021278.66	0.01491	110.33	110.33	1.2	ANNUAL	ALL	4	Off-site
302094.34	4021291.00	0.01556	110.2	110.2	1.2	ANNUAL	ALL	4	Off-site
302314.06	4021051.88	0.0154	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.85	4021017.13	0.01831	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.65	4020982.38	0.02139	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.45	4020947.64	0.02434	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.24	4020912.89	0.02684	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.04	4020878.14	0.02853	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302351.64	4021082.00	0.01085	110.66	110.66	1.2	ANNUAL	ALL	4	Off-site
302339.23	4021112.42	0.00999	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302326.81	4021142.84	0.0092	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302314.40	4021173.25	0.00854	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302301.98	4021203.67	0.00806	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302289.57	4021234.09	0.00774	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302246.85	4021277.19	0.00841	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302216.55	4021289.88	0.00934	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302186.25	4021302.58	0.01022	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302155.95	4021315.27	0.01099	110.3	110.3	1.2	ANNUAL	ALL	4	Off-site
302125.64	4021327.96	0.01161	110.08	110.08	1.2	ANNUAL	ALL	4	Off-site
302095.34	4021340.65	0.01197	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302364.05	4021051.58	0.01171	110.79	110.79	1.2	ANNUAL	ALL	4	Off-site
302363.85	4021016.84	0.01361	110.78	110.78	1.2	ANNUAL	ALL	4	Off-site
302363.65	4020982.09	0.01558	110.78	110.78	1.2	ANNUAL	ALL	4	Off-site
302363.44	4020947.34	0.01751	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302363.24	4020912.60	0.01921	110.67	110.67	1.2	ANNUAL	ALL	4	Off-site
302363.04	4020877.85	0.0205	110.73	110.73	1.2	ANNUAL	ALL	4	Off-site
302401.38	4021082.34	0.00857	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302388.71	4021113.39	0.00793	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302376.04	4021144.44	0.00732	110.91	110.91	1.2	ANNUAL	ALL	4	Off-site
302363.36	4021175.49	0.00679	110.7	110.7	1.2	ANNUAL	ALL	4	Off-site
302350.69	4021206.55	0.00638	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302338.02	4021237.60	0.00609	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302325.35	4021268.65	0.0059	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302281.74	4021312.65	0.00642	110.52	110.52	1.2	ANNUAL	ALL	4	Off-site
302250.80	4021325.61	0.00711	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302219.87	4021338.56	0.00777	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302188.94	4021351.52	0.00837	110.29	110.29	1.2	ANNUAL	ALL	4	Off-site
302158.00	4021364.47	0.0089	110.05	110.05	1.2	ANNUAL	ALL	4	Off-site
302127.07	4021377.43	0.00926	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302096.14	4021390.38	0.00947	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302414.05	4021051.29	0.0092	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.85	4021016.55	0.01049	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.65	4020981.80	0.01181	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.44	4020947.05	0.0131	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.24	4020912.31	0.01429	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.04	4020877.56	0.01528	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302451.18	4021082.54	0.00697	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302438.31	4021114.09	0.00649	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302425.43	4021145.63	0.00601	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302412.56	4021177.17	0.00556	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302399.68	4021208.72	0.00519	110.84	110.84	1.2	ANNUAL	ALL	4	Off-site
302386.81	4021240.26	0.00492	110.71	110.71	1.2	ANNUAL	ALL	4	Off-site
302373.94	4021271.80	0.00475	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302361.06	4021303.35	0.00465	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302316.76	4021348.05	0.00506	110.61	110.61	1.2	ANNUAL	ALL	4	Off-site
302285.34	4021361.21	0.00557	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302253.91	4021374.37	0.00608	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302222.49	4021387.53	0.00655	110.29	110.29	1.2	ANNUAL	ALL	4	Off-site
302191.06	4021400.69	0.00699	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302159.64	4021413.86	0.00732	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site

302128.21	4021427.02	0.00756	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302096.79	4021440.18	0.00768	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302464.05	4021051.00	0.00742	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.85	4021016.25	0.00833	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.65	4020981.51	0.00926	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.44	4020946.76	0.01017	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.24	4020912.01	0.01103	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.04	4020877.27	0.01178	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302551.98	4021079.99	0.00488	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302539.91	4021109.56	0.00463	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302527.84	4021139.13	0.00438	111.12	111.12	1.2	ANNUAL	ALL	4	Off-site
302515.77	4021168.70	0.00411	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302503.71	4021198.27	0.00384	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302491.64	4021227.85	0.0036	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302479.57	4021257.42	0.0034	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302467.50	4021286.99	0.00325	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302455.43	4021316.56	0.00316	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302443.36	4021346.13	0.00312	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302431.29	4021375.71	0.00309	110.86	110.86	1.2	ANNUAL	ALL	4	Off-site
302389.76	4021417.62	0.00334	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302360.30	4021429.96	0.00363	110.44	110.44	1.2	ANNUAL	ALL	4	Off-site
302330.84	4021442.29	0.00391	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302301.38	4021454.63	0.00419	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302271.92	4021466.97	0.00446	110.24	110.24	1.2	ANNUAL	ALL	4	Off-site
302242.46	4021479.31	0.00471	110.07	110.07	1.2	ANNUAL	ALL	4	Off-site
302213.00	4021491.65	0.00493	109.86	109.86	1.2	ANNUAL	ALL	4	Off-site
302183.53	4021503.98	0.00511	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302154.07	4021516.32	0.00525	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302124.61	4021528.66	0.00533	109.62	109.62	1.2	ANNUAL	ALL	4	Off-site
302095.15	4021541.00	0.00536	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302564.05	4021050.41	0.00509	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.85	4021015.67	0.00558	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.64	4020980.92	0.00608	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.44	4020946.17	0.00658	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.24	4020911.43	0.00706	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.03	4020876.68	0.00751	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302651.64	4021080.25	0.00358	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302639.22	4021110.66	0.00344	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302626.81	4021141.08	0.00329	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302614.39	4021171.50	0.00312	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302601.98	4021201.91	0.00294	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302589.57	4021232.33	0.00275	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302577.15	4021262.75	0.00258	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302564.74	4021293.16	0.00243	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302552.32	4021323.58	0.00233	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302539.91	4021354.00	0.00226	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302527.50	4021384.42	0.00223	111.23	111.23	1.2	ANNUAL	ALL	4	Off-site
302515.08	4021414.83	0.00222	111.1	111.1	1.2	ANNUAL	ALL	4	Off-site
302502.67	4021445.25	0.00222	110.96	110.96	1.2	ANNUAL	ALL	4	Off-site
302459.95	4021488.36	0.00239	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302429.65	4021501.05	0.00258	110.54	110.54	1.2	ANNUAL	ALL	4	Off-site
302399.35	4021513.74	0.00277	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302369.04	4021526.43	0.00295	110.31	110.31	1.2	ANNUAL	ALL	4	Off-site
302338.74	4021539.12	0.00314	110.09	110.09	1.2	ANNUAL	ALL	4	Off-site
302308.44	4021551.81	0.00332	110.01	110.01	1.2	ANNUAL	ALL	4	Off-site
302278.14	4021564.50	0.00348	109.97	109.97	1.2	ANNUAL	ALL	4	Off-site
302247.83	4021577.19	0.00363	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302217.53	4021589.88	0.00375	108.96	108.96	1.2	ANNUAL	ALL	4	Off-site
302187.23	4021602.57	0.00385	108.29	108.29	1.2	ANNUAL	ALL	4	Off-site
302156.92	4021615.26	0.00392	108.28	108.28	1.2	ANNUAL	ALL	4	Off-site
302126.62	4021627.96	0.00396	108.32	108.32	1.2	ANNUAL	ALL	4	Off-site
302096.32	4021640.65	0.00397	108.23	108.23	1.2	ANNUAL	ALL	4	Off-site
302751.38	4021080.29	0.00273	111.67	111.67	1.2	ANNUAL	ALL	4	Off-site
302738.70	4021111.35	0.00265	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302726.03	4021142.40	0.00256	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302713.36	4021173.45	0.00246	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302700.68	4021204.50	0.00234	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302688.01	4021235.55	0.00221	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302662.67	4021297.65	0.00195	111.38	111.38	1.2	ANNUAL	ALL	4	Off-site

302649.99	4021328.70	0.00184	111.47	111.47	1.2	ANNUAL	ALL	4	Off-site
302637.32	4021359.75	0.00176	111.43	111.43	1.2	ANNUAL	ALL	4	Off-site
302624.65	4021390.80	0.00171	111.3	111.3	1.2	ANNUAL	ALL	4	Off-site
302611.98	4021421.85	0.00168	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302599.30	4021452.90	0.00167	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302586.63	4021483.95	0.00167	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302573.96	4021515.00	0.00168	111.1	111.1	1.2	ANNUAL	ALL	4	Off-site
302530.35	4021559.01	0.00181	110.65	110.65	1.2	ANNUAL	ALL	4	Off-site
302499.42	4021571.96	0.00193	110.4	110.4	1.2	ANNUAL	ALL	4	Off-site
302468.48	4021584.92	0.00206	110.26	110.26	1.2	ANNUAL	ALL	4	Off-site
302437.55	4021597.87	0.00219	110.13	110.13	1.2	ANNUAL	ALL	4	Off-site
302406.62	4021610.83	0.00233	110	110	1.2	ANNUAL	ALL	4	Off-site
302375.68	4021623.78	0.00245	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302344.75	4021636.74	0.00257	109.98	109.98	1.2	ANNUAL	ALL	4	Off-site
302313.81	4021649.70	0.00269	108.93	108.93	1.2	ANNUAL	ALL	4	Off-site
302282.88	4021662.65	0.00279	108.26	108.26	1.2	ANNUAL	ALL	4	Off-site
302251.95	4021675.61	0.00288	108.61	108.61	1.2	ANNUAL	ALL	4	Off-site
302221.01	4021688.56	0.00295	108.87	108.87	1.2	ANNUAL	ALL	4	Off-site
302190.08	4021701.52	0.00301	108.85	108.85	1.2	ANNUAL	ALL	4	Off-site
302159.14	4021714.47	0.00305	108.98	108.98	1.2	ANNUAL	ALL	4	Off-site
302128.21	4021727.43	0.00307	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
302097.28	4021740.38	0.00307	109.04	109.04	1.2	ANNUAL	ALL	4	Off-site
302764.05	4021049.24	0.00281	111.65	111.65	1.2	ANNUAL	ALL	4	Off-site
302763.84	4021014.50	0.003	111.74	111.74	1.2	ANNUAL	ALL	4	Off-site
302763.64	4020979.75	0.00321	111.06	111.06	1.2	ANNUAL	ALL	4	Off-site
302763.44	4020945.00	0.00343	110.06	110.06	1.2	ANNUAL	ALL	4	Off-site
302763.23	4020910.26	0.00362	110.07	110.07	1.2	ANNUAL	ALL	4	Off-site
302763.03	4020875.51	0.0038	110.05	110.05	1.2	ANNUAL	ALL	4	Off-site
302851.17	4021080.20	0.00215	112.08	112.08	1.2	ANNUAL	ALL	4	Off-site
302838.30	4021111.75	0.0021	112.02	112.02	1.2	ANNUAL	ALL	4	Off-site
302825.42	4021143.29	0.00205	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302812.55	4021174.83	0.00198	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302799.68	4021206.38	0.00191	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302786.80	4021237.92	0.00183	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302773.93	4021269.46	0.00173	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302761.06	4021301.01	0.00163	111.77	111.77	1.2	ANNUAL	ALL	4	Off-site
302748.18	4021332.55	0.00153	111.64	111.64	1.2	ANNUAL	ALL	4	Off-site
302735.31	4021364.09	0.00144	111.78	111.78	1.2	ANNUAL	ALL	4	Off-site
302722.43	4021395.64	0.00138	111.68	111.68	1.2	ANNUAL	ALL	4	Off-site
302709.56	4021427.18	0.00133	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302696.69	4021458.72	0.00131	111.73	111.73	1.2	ANNUAL	ALL	4	Off-site
302670.94	4021521.81	0.0013	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302658.06	4021553.35	0.00131	111.52	111.52	1.2	ANNUAL	ALL	4	Off-site
302645.19	4021584.90	0.00132	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302600.89	4021629.60	0.00141	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302569.47	4021642.76	0.0015	111.04	111.04	1.2	ANNUAL	ALL	4	Off-site
302538.04	4021655.92	0.0016	110.19	110.19	1.2	ANNUAL	ALL	4	Off-site
302506.62	4021669.08	0.0017	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
302475.19	4021682.25	0.00179	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302443.77	4021695.41	0.00189	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302412.34	4021708.57	0.00198	109.62	109.62	1.2	ANNUAL	ALL	4	Off-site
302380.92	4021721.73	0.00207	108.48	108.48	1.2	ANNUAL	ALL	4	Off-site
302349.49	4021734.89	0.00215	108.45	108.45	1.2	ANNUAL	ALL	4	Off-site
302318.07	4021748.05	0.00222	109.64	109.64	1.2	ANNUAL	ALL	4	Off-site
302286.64	4021761.21	0.00229	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302255.22	4021774.37	0.00234	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
302223.79	4021787.53	0.00239	109.66	109.66	1.2	ANNUAL	ALL	4	Off-site
302192.37	4021800.69	0.00243	109.55	109.55	1.2	ANNUAL	ALL	4	Off-site
302160.94	4021813.85	0.00245	109.69	109.69	1.2	ANNUAL	ALL	4	Off-site
302129.52	4021827.01	0.00246	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302098.09	4021840.17	0.00246	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302864.05	4021048.66	0.00222	110.57	110.57	1.2	ANNUAL	ALL	4	Off-site
302863.84	4021013.91	0.00237	109.76	109.76	1.2	ANNUAL	ALL	4	Off-site
302863.64	4020979.17	0.0025	110.35	110.35	1.2	ANNUAL	ALL	4	Off-site
302863.44	4020944.42	0.00263	110.71	110.71	1.2	ANNUAL	ALL	4	Off-site
302863.23	4020909.67	0.00276	110.9	110.9	1.2	ANNUAL	ALL	4	Off-site
302863.03	4020874.93	0.00289	110.56	110.56	1.2	ANNUAL	ALL	4	Off-site
302586.56	4020802.22	0.00749	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
301680.63	4021306.87	0.01289	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site

301657.69	4021276.12	0.01291	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301680.63	4021272.99	0.01416	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301638.92	4021273.51	0.01209	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301640.49	4021306.87	0.01135	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301623.81	4021303.75	0.0108	109.97	109.97	1.2	ANNUAL	ALL	4	Off-site
301600.87	4021305.31	0.00996	109.74	109.74	1.2	ANNUAL	ALL	4	Off-site
301696.79	4021224.51	0.01714	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301679.06	4021220.34	0.01595	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301698.35	4021186.97	0.01882	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301671.77	4021105.13	0.01734	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301666.55	4020974.28	0.01112	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301708.26	4020936.75	0.01145	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301734.32	4020584.35	0.00207	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301816.11	4020492.37	0.0025	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302101.58	4020387.93	0.00505	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
302077.10	4020392.08	0.00484	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301872.20	4020395.47	0.00239	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301896.31	4020390.95	0.00257	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301917.02	4020390.57	0.00277	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301940.37	4020387.18	0.00298	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301960.71	4020387.93	0.00321	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301981.81	4020394.34	0.00356	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302001.77	4020390.19	0.00377	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302029.27	4020387.56	0.0041	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302051.11	4020389.82	0.00444	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302148.43	4020865.24	0.1301	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302321.32	4020857.33	0.02745	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302105.53	4021102.15	0.06155	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302138.51	4021117.52	0.03797	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
301927.96	4021262.55	0.02485	110.04	110.04	1.2	ANNUAL	ALL	4	Off-site
301979.83	4021286.24	0.02048	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302011.85	4021285.92	0.01968	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302029.46	4021286.88	0.01895	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302055.71	4021284.00	0.01818	110.08	110.08	1.2	ANNUAL	ALL	4	Off-site
302077.16	4021285.92	0.01691	110.23	110.23	1.2	ANNUAL	ALL	4	Off-site
302168.41	4021281.76	0.01209	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302114.30	4021290.73	0.01453	110.22	110.22	1.2	ANNUAL	ALL	4	Off-site
302225.40	4021320.82	0.00805	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302043.23	4021328.19	0.01442	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301949.09	4021331.07	0.01588	110.12	110.12	1.2	ANNUAL	ALL	4	Off-site
301726.29	4021362.43	0.01179	110.14	110.14	1.2	ANNUAL	ALL	4	Off-site
301691.09	4021348.10	0.01164	110.04	110.04	1.2	ANNUAL	ALL	4	Off-site
301611.33	4021383.53	0.00881	109.63	109.63	1.2	ANNUAL	ALL	4	Off-site
301576.14	4021369.20	0.00826	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301540.94	4021354.88	0.00761	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

** CONCUNIT ug/m^3

** DEPUNIT g/m^2

Health Risk Assessment

Mitigated Construction Scenario (Tier 4) Concentrations and Health Risk Metrics

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Mitigated)

Estimation of Annual Onsite Construction Emissions

Residential Development

Start of Construction	8/1/2022	
End of Construction	7/13/2023	**Total**
Number of Days	346	346
Number of Hours	8,304	8,304

Size of the construction area source (Residential): **10,131.1** **sq-meters**

CalEEMod Run	Year	On-site Construction Activity	T4 Mitigated On-site DPM (tons)
Residential	2022	Site Preparation	0.00006
Residential	2022	Grading	0.00010
Residential	2022	Building Construction	0.01100
Residential	2023	Building Construction	0.01140
Residential	2023	Paving	0.00021
Residential	2023	Architectural Coating	0.00002

Total Unmitigated DPM (On-site) **2.279E-02** **tons**

Average Emission	2.069E+04	grams
	6.922E-04	grams/sec
	6.833E-08	grams/m2-sec

Commercial Development

Start of Construction (Commercial)	8/1/2022	
End of Construction (Commercial)	8/24/2023	**Total**
Number of Days	388	388
Number of Hours	9,312	9,312

Size of the construction area source (Commercial): **22,187.6** **sq-meters**

CalEEMod Run	Year	On-site Construction Activity	T4 Mitigated On-site DPM (tons)
Commercial	2022	Site Preparation	0.00016
Commercial	2022	Grading	0.00019
Commercial	2022	Building Construction	0.00494
Commercial	2023	Building Construction	0.00618
Commercial	2023	Paving	0.00046
Commercial	2023	Architectural Coating	0.00004

Total Unmitigated DPM (On-site) **1.197E-02** **tons**

Average Emission	1.087E+04	grams
	3.242E-04	grams/sec
	1.461E-08	grams/m2-sec

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Mitigated)

Residential Development

Estimation of Annual Offsite Construction DPM Emissions (Unmitigated - No Change for Mitigated Scenario)

			Total
Start of Construction	8/1/2022		
End of Construction	7/13/2023		
Number of Days	346		346
Number of Hours	8,304		8,304

Construction Trip Type	2022 Site Preparation	2022 Grading	2022 Building Construction	2023 Building Construction	2023 Paving	2023 Architectural Coating
Haul Truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Vendor Truck	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000
Worker	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000
Total	0.00000	0.00000	0.00002	0.00002	0.00000	0.00000

	Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**	
Total DPM	0.000E+00	2.000E-05	2.000E-05	4.000E-05	
Average Emissions					
Grams	0.000E+00	1.816E+01	1.816E+01		
Grams/sec	0.000E+00	6.075E-07	6.075E-07		
Default Distance	0.25	0.25	0.25	Default Vehicle Travel Distance in CalEEMod (On-site Run)	
Vehicle Travel Distances in the Construction HRA (miles)					
Road Segment 1 (mi)	0.50	0.50	0.50	On-site	
Road Segment 2 (mi)	0.22	0.22	0.22	Off-site	
Trip Distribution (percent)					
Road Segment 1	100.0%	100.0%	100.0%		
Road Segment 2	100.0%	100.0%	100.0%		

Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**	
Road Segment 1	0.000E+00	1.222E-06	1.222E-06	2.4441E-06	Residential Development
Road Segment 2	0.000E+00	5.251E-07	5.251E-07	1.0502E-06	Residential Development

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Mitigated)

Commercial Development

Estimation of Annual Offsite Construction DPM Emissions (Unmitigated - No Change for Mitigated Scenario)

Start of Construction	8/1/2022		
End of Construction	8/24/2023		**Total**
Number of Days	388		388
Number of Hours	9,312		9,312

Construction Trip Type	2022 Site Preparation	2022 Grading	2022 Building Construction	2023 Building Construction	2023 Paving	2023 Architectural Coating
Haul Truck	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000
Vendor Truck	0.00000	0.00000	0.00006	0.00004	0.00000	0.00000
Worker	0.00000	0.00000	0.00002	0.00003	0.00000	0.00000
Total	0.00000	0.00001	0.00008	0.00007	0.00000	0.00000

	Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**	
Total DPM	1.000E-05	1.000E-04	5.000E-05	1.600E-04	
Average Emissions					
Grams	9.080E+00	9.080E+01	4.540E+01		
Grams/sec	2.709E-07	2.709E-06	1.354E-06		
Default Distance	0.25	0.25	0.25	Default Vehicle Travel Distance in CalEEMod (On-site Run)	
Vehicle Travel Distances in the Construction HRA (miles)					
Road Segment 1 (mi)	0.50	0.50	0.50		
Road Segment 2 (mi)	0.22	0.22	0.22		
Trip Distribution (percent)					
Road Segment 1	100.0%	100.0%	100.0%		
Road Segment 2	100.0%	100.0%	100.0%		

Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**	
Road Segment 1	5.449E-07	5.449E-06	2.724E-06	8.718E-06	Commercial Development
Road Segment 2	2.341E-07	2.341E-06	1.171E-06	3.746E-06	Commercial Development

OEHHA Cancer Risk Methodology

Cancer Risk = DPM x CPF x ASF x DBR x ED x EF x TAH x AF/ AT

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment

Cancer Risk Calculations Using OEHHA Cancer Risk Assumptions

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Mitigated)

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant (Starting in 3rd Trimester)

UTM: 302083.25 4020914.24

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Construction Annual DPM Emissions (as PM10 Exhaust) Tier 4 Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.09788	10	361	1	0.25	1.33
0-<1	0.09788	10	1,090	1	0.81	13.07
					Total	14.40

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child (2<9)

UTM: 302083.25 4020914.24

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Construction Annual DPM Emissions (as PM10 Exhaust) Tier 4 Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
Entire Duration	0.09788	3	861	1	1.06	4.05
					Total	4.05

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 302083.25 4020914.24

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM10 Exhaust) Tier 4 Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
Entire Duration	0.09788	1	290	1	1.06	0.45
					Total	0.45

Camino Castaneda Mixed Use Development Project - Total Project Construction - Offsite Receptor Scenario (Mitigated)

Total Construction MER UTM: 302083.25 4020914.24

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)
Unmitigated
Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor
Reference Exposure Level (REL) for DPM: 5 ug/m3
CNCHI = DPM/REL

X (m)	Y (m)	Total DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
302083.25	4020914.24	0.09788	0.0979	0.020

Health Risk Assessment

Construction Health Risk Assessment

Mitigated Concentrations

(AERMOD Output)

Mitigated Construction Scenario
Proposed Camino Castaneda Commercial and Residential Development Project—Farmersville, CA

ANNUAL AVERAGE CONC			
	Maximum	0.11591	
	Off-site Receptor Maximum	0.09788	
		X	Y
	UTM	302083.25	4020914.24

* AERMOD (21112): G:\0014.010\Mitigated Construction\Mitigated Construction.isc 5/29/2022
* AERMET (18081): 8:32:24 PM
* MODELING OPTIONS USED: Reg DFAULT CONC ELEV FLGPOL URBAN ADJ_U*
* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 4 YEARS FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 1063 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	GROUP
302053.07	4021042.3	0.06061	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.89	4021033.16	0.06712	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.98	4021019.75	0.07748	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.81	4021010.62	0.0831	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302053.56	4020997.33	0.08981	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302053.39	4020988.19	0.09303	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.79	4020975.88	0.09628	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.61	4020966.74	0.09846	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
302052.79	4020938.77	0.1048	110.26	110.26	1.2	ANNUAL	ALL	4		On-site
302052.61	4020929.63	0.10692	110.17	110.17	1.2	ANNUAL	ALL	4		On-site
302052.79	4020916.93	0.11068	110.06	110.06	1.2	ANNUAL	ALL	4		On-site
302052.61	4020907.79	0.11361	110.06	110.06	1.2	ANNUAL	ALL	4		On-site
302053.76	4020894.5	0.11591	110.07	110.07	1.2	ANNUAL	ALL	4		On-site
302053.58	4020885.37	0.11413	110.07	110.07	1.2	ANNUAL	ALL	4		On-site
302053.76	4020872.47	0.10608	110.05	110.05	1.2	ANNUAL	ALL	4		On-site
302053.58	4020863.33	0.09868	110.04	110.04	1.2	ANNUAL	ALL	4		On-site
302053.95	4020953.63	0.10217	110.34	110.34	1.2	ANNUAL	ALL	4		On-site
301983.02	4020905.47	0.07236	110	110	1.2	ANNUAL	ALL	4		On-site
301991.54	4020905.19	0.08142	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302004.18	4020905.47	0.09457	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302012.7	4020905.19	0.10103	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
301985.86	4020865.57	0.04085	109.99	109.99	1.2	ANNUAL	ALL	4		On-site
301994.38	4020865.28	0.05193	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302008.01	4020865.71	0.07089	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302016.53	4020865.42	0.07989	110.03	110.03	1.2	ANNUAL	ALL	4		On-site
302268.08	4020737.39	0.00709	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302283	4020772.73	0.00734	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302297.92	4020808.06	0.00711	110.5	110.5	1.2	ANNUAL	ALL	4		Off-site
302095.52	4020559.24	0.00262	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302131.09	4020573.61	0.00314	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302166.65	4020587.99	0.00362	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302288.25	4020666.43	0.0048	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302303.16	4020701.77	0.00524	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302318.08	4020737.1	0.00549	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302333	4020772.44	0.00545	110.64	110.64	1.2	ANNUAL	ALL	4		Off-site
302347.92	4020807.77	0.00517	110.64	110.64	1.2	ANNUAL	ALL	4		Off-site
302059.96	4020544.87	0.00212	109.83	109.83	1.2	ANNUAL	ALL	4		Off-site
302021.58	4020545.24	0.00179	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site
301983.19	4020545.61	0.00148	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site
302095.05	4020509.25	0.00192	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302130.61	4020523.62	0.00228	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302166.17	4020537.99	0.00263	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302201.73	4020552.36	0.00294	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302237.29	4020566.73	0.00318	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302272.85	4020581.1	0.00331	110.14	110.14	1.2	ANNUAL	ALL	4		Off-site
302323.33	4020630.8	0.00371	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302338.25	4020666.14	0.00402	110.34	110.34	1.2	ANNUAL	ALL	4		Off-site
302353.16	4020701.47	0.00422	110.59	110.59	1.2	ANNUAL	ALL	4		Off-site
302368.08	4020736.81	0.00427	110.64	110.64	1.2	ANNUAL	ALL	4		Off-site
302383	4020772.14	0.00415	110.64	110.64	1.2	ANNUAL	ALL	4		Off-site
302059.48	4020494.88	0.00157	109.83	109.83	1.2	ANNUAL	ALL	4		Off-site
302021.1	4020495.24	0.00135	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site
301982.71	4020495.61	0.00114	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site
301944.33	4020495.98	0.00095	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site
301905.94	4020496.35	0.0008	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site
301867.55	4020496.72	0.00066	109.73	109.73	1.2	ANNUAL	ALL	4		Off-site
302094.57	4020459.25	0.00145	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302130.13	4020473.62	0.00171	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302165.69	4020487.99	0.00197	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302201.25	4020502.36	0.00221	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302236.81	4020516.73	0.00243	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302272.37	4020531.1	0.00259	110.03	110.03	1.2	ANNUAL	ALL	4		Off-site
302307.93	4020545.47	0.00267	110.14	110.14	1.2	ANNUAL	ALL	4		Off-site

302358.41	4020595.18	0.00295	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302373.33	4020630.51	0.00318	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302388.24	4020665.85	0.00334	110.52	110.52	1.2	ANNUAL	ALL	4	Off-site
302403.16	4020701.18	0.00341	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302418.08	4020736.52	0.00337	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302433	4020771.85	0.00321	110.88	110.88	1.2	ANNUAL	ALL	4	Off-site
302059.01	4020444.88	0.00121	109.82	109.82	1.2	ANNUAL	ALL	4	Off-site
302020.62	4020445.25	0.00105	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301982.23	4020445.61	0.0009	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301943.85	4020445.98	0.00077	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301905.46	4020446.35	0.00066	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301867.08	4020446.72	0.00056	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302093.61	4020359.25	0.00091	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302121.64	4020387.56	0.0011	109.91	109.91	1.2	ANNUAL	ALL	4	Off-site
302164.73	4020387.99	0.0012	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302194.64	4020390.31	0.00126	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302217.77	4020387.36	0.00128	109.91	109.91	1.2	ANNUAL	ALL	4	Off-site
302271.41	4020431.11	0.00162	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302306.97	4020445.48	0.00172	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302342.53	4020459.85	0.0018	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302378.09	4020474.22	0.00184	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302428.57	4020523.92	0.00199	110.2	110.2	1.2	ANNUAL	ALL	4	Off-site
302443.49	4020559.26	0.00212	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302458.41	4020594.59	0.00222	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302473.32	4020629.93	0.00229	110.46	110.46	1.2	ANNUAL	ALL	4	Off-site
302488.24	4020665.26	0.00231	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302503.16	4020700.6	0.00228	110.67	110.67	1.2	ANNUAL	ALL	4	Off-site
302518.08	4020735.93	0.00218	110.94	110.94	1.2	ANNUAL	ALL	4	Off-site
302533	4020771.26	0.00205	110.98	110.98	1.2	ANNUAL	ALL	4	Off-site
302058.05	4020344.88	0.00077	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302019.66	4020345.25	0.00068	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301981.27	4020345.62	0.0006	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301942.89	4020345.99	0.00052	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301904.5	4020346.35	0.00046	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301866.12	4020346.72	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302092.65	4020259.26	0.00062	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302128.21	4020273.63	0.0007	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302163.77	4020288	0.00079	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302199.33	4020302.37	0.00088	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302234.89	4020316.74	0.00097	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302270.45	4020331.11	0.00106	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302306.01	4020345.48	0.00115	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302341.57	4020359.85	0.00122	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302377.13	4020374.22	0.00128	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302412.7	4020388.59	0.00132	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302448.26	4020402.96	0.00134	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
302498.73	4020452.67	0.00143	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302513.65	4020488	0.00151	110.17	110.17	1.2	ANNUAL	ALL	4	Off-site
302528.57	4020523.34	0.00158	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302543.49	4020558.67	0.00163	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302558.41	4020594.01	0.00166	110.4	110.4	1.2	ANNUAL	ALL	4	Off-site
302573.32	4020629.34	0.00166	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302588.24	4020664.68	0.00164	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302603.16	4020700.01	0.00158	110.87	110.87	1.2	ANNUAL	ALL	4	Off-site
302618.08	4020735.35	0.00149	111.21	111.21	1.2	ANNUAL	ALL	4	Off-site
302632.99	4020770.68	0.00139	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302057.09	4020244.89	0.00053	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302018.7	4020245.26	0.00048	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301980.32	4020245.62	0.00042	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301941.93	4020245.99	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301903.54	4020246.36	0.00034	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301865.16	4020246.73	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302091.69	4020159.26	0.00044	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302127.25	4020173.63	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302162.81	4020188	0.00056	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302198.37	4020202.37	0.00062	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302233.93	4020216.74	0.00068	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302269.49	4020231.12	0.00074	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302305.05	4020245.49	0.0008	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302340.62	4020259.86	0.00085	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302376.18	4020274.23	0.00091	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302411.74	4020288.6	0.00095	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302447.3	4020302.97	0.00099	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302482.86	4020317.34	0.00101	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302518.42	4020331.71	0.00102	109.97	109.97	1.2	ANNUAL	ALL	4	Off-site
302568.9	4020381.41	0.00107	110.04	110.04	1.2	ANNUAL	ALL	4	Off-site
302583.81	4020416.75	0.00113	110.29	110.29	1.2	ANNUAL	ALL	4	Off-site
302598.73	4020452.08	0.00117	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302613.65	4020487.42	0.00121	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302628.57	4020522.75	0.00124	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302643.49	4020558.09	0.00126	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site

302658.4	4020593.42	0.00126	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302673.32	4020628.76	0.00124	110.36	110.36	1.2	ANNUAL	ALL	4	Off-site
302688.24	4020664.09	0.0012	110.46	110.46	1.2	ANNUAL	ALL	4	Off-site
302703.16	4020699.43	0.00114	110.41	110.41	1.2	ANNUAL	ALL	4	Off-site
302718.07	4020734.76	0.00107	110.45	110.45	1.2	ANNUAL	ALL	4	Off-site
302732.99	4020770.09	0.00099	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302056.13	4020144.89	0.00039	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302017.74	4020145.26	0.00035	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301979.36	4020145.63	0.00032	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301940.97	4020146	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301902.59	4020146.36	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301864.2	4020146.73	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302090.73	4020059.27	0.00033	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302126.29	4020073.64	0.00037	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302161.85	4020088.01	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302197.41	4020102.38	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302232.97	4020116.75	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302268.54	4020131.12	0.00053	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302304.1	4020145.49	0.00058	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302339.66	4020159.86	0.00062	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302375.22	4020174.23	0.00066	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302410.78	4020188.6	0.0007	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302446.34	4020202.97	0.00073	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302481.9	4020217.34	0.00076	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302517.46	4020231.71	0.00078	109.91	109.91	1.2	ANNUAL	ALL	4	Off-site
302553.02	4020246.08	0.00079	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302588.58	4020260.45	0.0008	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302639.06	4020310.16	0.00084	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302653.98	4020345.49	0.00088	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302668.9	4020380.83	0.00091	109.86	109.86	1.2	ANNUAL	ALL	4	Off-site
302683.81	4020416.16	0.00094	109.91	109.91	1.2	ANNUAL	ALL	4	Off-site
302698.73	4020451.5	0.00096	109.51	109.51	1.2	ANNUAL	ALL	4	Off-site
302713.65	4020486.83	0.00098	109.33	109.33	1.2	ANNUAL	ALL	4	Off-site
302728.57	4020522.17	0.00099	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
302743.48	4020557.5	0.00098	109.92	109.92	1.2	ANNUAL	ALL	4	Off-site
302758.4	4020592.84	0.00097	110.23	110.23	1.2	ANNUAL	ALL	4	Off-site
302773.32	4020628.17	0.00094	110.31	110.31	1.2	ANNUAL	ALL	4	Off-site
302788.24	4020663.51	0.0009	109.85	109.85	1.2	ANNUAL	ALL	4	Off-site
302803.16	4020698.84	0.00085	109.33	109.33	1.2	ANNUAL	ALL	4	Off-site
302818.07	4020734.17	0.0008	109.49	109.49	1.2	ANNUAL	ALL	4	Off-site
302832.99	4020769.51	0.00074	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302055.17	4020044.9	0.0003	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302016.78	4020045.26	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301978.4	4020045.63	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301940.01	4020046	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301901.63	4020046.37	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301863.24	4020046.74	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301739.2	4020826.55	0.00126	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301746.57	4020808.64	0.00116	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301753.94	4020790.72	0.00107	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301734.07	4020790.4	0.00096	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301741.48	4020772.39	0.0009	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301748.89	4020754.37	0.00084	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301699.29	4020826.34	0.00103	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301706.73	4020808.25	0.00095	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301736.51	4020735.87	0.00072	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301745.28	4020719.08	0.0007	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301647.73	4020831.28	0.00085	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301679.18	4020826.59	0.00095	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301686.53	4020808.72	0.00087	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301691.28	4020780.42	0.00075	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301680.39	4020763.59	0.00065	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301687.74	4020745.72	0.00061	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301733.26	4020698.34	0.00061	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301731.25	4020681.96	0.00057	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301610.54	4020815.82	0.00068	109.49	109.49	1.2	ANNUAL	ALL	4	Off-site
301629.26	4020826.4	0.00077	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301644.11	4020790.31	0.00066	109.57	109.57	1.2	ANNUAL	ALL	4	Off-site
301651.53	4020772.27	0.00062	109.64	109.64	1.2	ANNUAL	ALL	4	Off-site
301658.95	4020754.23	0.00058	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301666.38	4020736.18	0.00054	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301673.8	4020718.14	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301681.23	4020700.09	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301688.65	4020682.05	0.00047	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301700.03	4020667.92	0.00047	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301729.47	4020662.41	0.00052	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301730.24	4020644.39	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301579.23	4020826.49	0.00065	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301586.62	4020808.52	0.0006	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301594.01	4020790.55	0.00056	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301601.4	4020772.59	0.00052	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site

301608.79	4020754.62	0.00049	109.46	109.46	1.2	ANNUAL	ALL	4	Off-site
301616.18	4020736.65	0.00046	109.59	109.59	1.2	ANNUAL	ALL	4	Off-site
301623.58	4020718.68	0.00043	109.66	109.66	1.2	ANNUAL	ALL	4	Off-site
301630.97	4020700.72	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301638.36	4020682.75	0.0004	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301645.75	4020664.78	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301653.14	4020646.82	0.00037	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301666.71	4020631.81	0.00037	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301684.61	4020624.24	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301702.5	4020616.68	0.0004	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301720.4	4020609.11	0.00042	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301738.29	4020601.55	0.00044	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301529.28	4020826.36	0.00056	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301536.71	4020808.29	0.00052	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301544.15	4020790.21	0.00048	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301551.59	4020772.13	0.00045	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301559.02	4020754.06	0.00042	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301566.46	4020735.98	0.0004	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301573.9	4020717.9	0.00037	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301581.34	4020699.82	0.00036	109.45	109.45	1.2	ANNUAL	ALL	4	Off-site
301588.77	4020681.75	0.00034	109.59	109.59	1.2	ANNUAL	ALL	4	Off-site
301596.21	4020663.67	0.00033	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301603.65	4020645.59	0.00032	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301611.08	4020627.52	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301618.52	4020609.44	0.0003	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301631.24	4020596.6	0.0003	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301649.25	4020588.99	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301667.25	4020581.38	0.00032	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301685.26	4020573.77	0.00033	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301703.26	4020566.16	0.00034	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301721.27	4020558.55	0.00035	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301739.27	4020550.94	0.00037	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301471.84	4020844.45	0.00052	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301479.25	4020826.43	0.00048	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301486.66	4020808.42	0.00045	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301494.07	4020790.4	0.00042	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301501.48	4020772.39	0.0004	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301508.89	4020754.37	0.00037	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301516.31	4020736.36	0.00035	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301523.72	4020718.34	0.00033	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301531.13	4020700.33	0.00031	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301538.54	4020682.31	0.0003	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301545.95	4020664.3	0.00029	109.56	109.56	1.2	ANNUAL	ALL	4	Off-site
301553.36	4020646.28	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301560.77	4020628.27	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301568.19	4020610.25	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301575.6	4020592.24	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301583.01	4020574.22	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301597.93	4020560.48	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301615.87	4020552.89	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301633.82	4020545.31	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301651.76	4020537.72	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301669.7	4020530.14	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301687.64	4020522.56	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301705.59	4020514.97	0.00029	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301723.53	4020507.39	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301741.47	4020499.81	0.00033	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301759.42	4020492.22	0.00036	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301777.36	4020484.64	0.00039	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301795.3	4020477.05	0.00042	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301813.25	4020469.47	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301831.19	4020461.89	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301371.84	4020844.44	0.0004	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301379.26	4020826.4	0.00038	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301386.68	4020808.36	0.00036	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301394.11	4020790.31	0.00034	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301401.53	4020772.27	0.00032	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301408.95	4020754.23	0.0003	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301416.38	4020736.18	0.00028	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301423.8	4020718.14	0.00026	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301431.23	4020700.09	0.00025	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301438.65	4020682.05	0.00024	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301446.07	4020664.01	0.00023	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301453.5	4020645.96	0.00022	109.43	109.43	1.2	ANNUAL	ALL	4	Off-site
301460.92	4020627.92	0.00021	109.5	109.5	1.2	ANNUAL	ALL	4	Off-site
301468.34	4020609.87	0.0002	109.64	109.64	1.2	ANNUAL	ALL	4	Off-site
301475.77	4020591.83	0.0002	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301483.19	4020573.79	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301490.61	4020555.74	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301498.04	4020537.7	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301505.46	4020519.66	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

301512.88	4020501.61	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301526.9	4020490.1	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301544.87	4020482.5	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301562.84	4020474.91	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301580.81	4020467.31	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301598.79	4020459.71	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301616.76	4020452.12	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301634.73	4020444.52	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301652.7	4020436.93	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301670.67	4020429.33	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301688.64	4020421.73	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301706.62	4020414.14	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301724.59	4020406.54	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301742.56	4020398.95	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301760.53	4020391.35	0.00029	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301778.5	4020383.75	0.00032	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301796.48	4020376.16	0.00034	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301814.45	4020368.56	0.00036	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301832.42	4020360.97	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301271.84	4020844.44	0.00032	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301279.27	4020826.38	0.00031	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301286.7	4020808.32	0.00029	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301294.13	4020790.25	0.00028	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301301.56	4020772.19	0.00026	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301309	4020754.13	0.00025	109.16	109.16	1.2	ANNUAL	ALL	4	Off-site
301316.43	4020736.06	0.00024	109.29	109.29	1.2	ANNUAL	ALL	4	Off-site
301323.86	4020718	0.00022	109.36	109.36	1.2	ANNUAL	ALL	4	Off-site
301331.29	4020699.94	0.00021	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301338.72	4020681.87	0.0002	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301346.15	4020663.81	0.00019	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301353.58	4020645.75	0.00018	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301361.01	4020627.68	0.00017	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301368.45	4020609.62	0.00017	109.45	109.45	1.2	ANNUAL	ALL	4	Off-site
301375.88	4020591.56	0.00016	109.56	109.56	1.2	ANNUAL	ALL	4	Off-site
301383.31	4020573.5	0.00016	109.69	109.69	1.2	ANNUAL	ALL	4	Off-site
301390.74	4020555.43	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301398.17	4020537.37	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301405.6	4020519.31	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301413.03	4020501.24	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301420.47	4020483.18	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301427.9	4020465.12	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301435.33	4020447.05	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301442.76	4020428.99	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301458.11	4020418.77	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301476.1	4020411.17	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301494.09	4020403.56	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301512.08	4020395.96	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301530.07	4020388.35	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301548.07	4020380.75	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301566.06	4020373.15	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301584.05	4020365.54	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301602.04	4020357.94	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301620.03	4020350.33	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301638.02	4020342.73	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301656.01	4020335.13	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301674	4020327.52	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301691.99	4020319.92	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301709.99	4020312.31	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301727.98	4020304.71	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301745.97	4020297.11	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301763.96	4020289.5	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301781.95	4020281.9	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301799.94	4020274.29	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301817.93	4020266.69	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301171.84	4020844.44	0.00027	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301179.28	4020826.36	0.00026	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301186.71	4020808.29	0.00025	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301194.15	4020790.21	0.00024	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301201.59	4020772.13	0.00023	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301209.02	4020754.06	0.00021	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301216.46	4020735.98	0.0002	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301223.9	4020717.9	0.00019	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301231.34	4020699.82	0.00018	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301238.77	4020681.75	0.00017	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301246.21	4020663.67	0.00016	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301253.65	4020645.59	0.00016	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301261.08	4020627.52	0.00015	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301268.52	4020609.44	0.00014	109.2	109.2	1.2	ANNUAL	ALL	4	Off-site
301275.96	4020591.36	0.00014	109.39	109.39	1.2	ANNUAL	ALL	4	Off-site
301283.39	4020573.29	0.00013	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301290.83	4020555.21	0.00013	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site

301298.27	4020537.13	0.00012	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301305.71	4020519.06	0.00012	109.44	109.44	1.2	ANNUAL	ALL	4	Off-site
301313.14	4020500.98	0.00012	109.54	109.54	1.2	ANNUAL	ALL	4	Off-site
301320.58	4020482.9	0.00012	109.63	109.63	1.2	ANNUAL	ALL	4	Off-site
301328.02	4020464.82	0.00012	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301335.45	4020446.75	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301342.89	4020428.67	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301350.33	4020410.59	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301357.76	4020392.52	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301365.2	4020374.44	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301372.64	4020356.36	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301389.32	4020347.44	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301407.33	4020339.83	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301425.33	4020332.22	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301443.34	4020324.61	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301461.34	4020317	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301479.35	4020309.39	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301497.35	4020301.79	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301515.36	4020294.18	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301533.36	4020286.57	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301551.37	4020278.96	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301569.37	4020271.35	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301587.38	4020263.74	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301605.38	4020256.13	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301623.39	4020248.52	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301641.39	4020240.91	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301659.39	4020233.3	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301677.4	4020225.69	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301695.4	4020218.08	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301713.41	4020210.47	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301731.41	4020202.86	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301749.42	4020195.25	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301767.42	4020187.64	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301785.43	4020180.03	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301803.43	4020172.42	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301821.44	4020164.81	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301071.84	4020844.44	0.00023	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301079.28	4020826.35	0.00022	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301086.72	4020808.26	0.00021	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301094.16	4020790.18	0.0002	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301101.61	4020772.09	0.00019	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301109.05	4020754	0.00019	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301116.49	4020735.92	0.00018	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301123.93	4020717.83	0.00017	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301131.37	4020699.74	0.00016	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301138.81	4020681.65	0.00015	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301146.25	4020663.57	0.00015	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301153.69	4020645.48	0.00014	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301161.14	4020627.39	0.00013	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301168.58	4020609.3	0.00013	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301176.02	4020591.22	0.00012	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301183.46	4020573.13	0.00012	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301190.9	4020555.04	0.00011	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301198.34	4020536.95	0.00011	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301205.78	4020518.87	0.0001	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301213.22	4020500.78	0.0001	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301220.67	4020482.69	0.0001	109.17	109.17	1.2	ANNUAL	ALL	4	Off-site
301228.11	4020464.61	0.0001	109.3	109.3	1.2	ANNUAL	ALL	4	Off-site
301235.55	4020446.52	0.0001	109.38	109.38	1.2	ANNUAL	ALL	4	Off-site
301242.99	4020428.43	0.0001	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301250.43	4020410.34	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301257.87	4020392.26	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301265.31	4020374.17	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301272.75	4020356.08	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301280.2	4020337.99	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301287.64	4020319.91	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301295.08	4020301.82	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301304.77	4020282.78	0.00008	109.46	109.46	1.2	ANNUAL	ALL	4	Off-site
301322.79	4020275.17	0.00008	109.56	109.56	1.2	ANNUAL	ALL	4	Off-site
301340.8	4020267.55	0.00008	109.6	109.6	1.2	ANNUAL	ALL	4	Off-site
301358.82	4020259.94	0.00008	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301376.83	4020252.32	0.00008	109.7	109.7	1.2	ANNUAL	ALL	4	Off-site
301394.85	4020244.71	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301412.86	4020237.09	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301430.88	4020229.48	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301448.89	4020221.87	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301466.91	4020214.25	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301484.92	4020206.64	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301502.94	4020199.02	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301520.95	4020191.41	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301538.97	4020183.79	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

301556.98	4020176.18	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301575	4020168.57	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301593.01	4020160.95	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301611.03	4020153.34	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301629.04	4020145.72	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301647.06	4020138.11	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301665.07	4020130.49	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301683.09	4020122.88	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301701.1	4020115.27	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301719.12	4020107.65	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301737.13	4020100.04	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301755.15	4020092.42	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301773.17	4020084.81	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301791.18	4020077.19	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301809.2	4020069.58	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301691.44	4020885.98	0.00148	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301691.95	4020920.12	0.00187	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301685.69	4020944.87	0.0021	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301709.66	4020968.06	0.00283	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301693.49	4021022.52	0.00321	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301694	4021056.66	0.00351	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301671.44	4020886.28	0.00134	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301671.96	4020920.42	0.00167	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301665.69	4020945.17	0.00187	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301689.66	4020968.36	0.00247	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301673.49	4021022.82	0.00281	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301674	4021056.96	0.00308	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301621.45	4020887.03	0.00106	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301621.96	4020921.17	0.00129	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301622.47	4020955.3	0.00156	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301622.98	4020989.44	0.00183	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301623.5	4021023.57	0.00209	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301624.01	4021057.71	0.0023	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301571.46	4020887.78	0.00087	109.44	109.44	1.2	ANNUAL	ALL	4	Off-site
301571.97	4020921.92	0.00104	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301572.48	4020956.05	0.00122	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301572.99	4020990.19	0.00142	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301573.5	4021024.32	0.00162	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301574.01	4021058.46	0.00178	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301521.46	4020888.53	0.00073	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301521.97	4020922.67	0.00086	109.44	109.44	1.2	ANNUAL	ALL	4	Off-site
301522.48	4020956.8	0.00099	109.55	109.55	1.2	ANNUAL	ALL	4	Off-site
301523	4020990.94	0.00114	109.63	109.63	1.2	ANNUAL	ALL	4	Off-site
301523.51	4021025.07	0.00128	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301524.02	4021059.21	0.00142	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301471.47	4020889.28	0.00063	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301471.98	4020923.42	0.00072	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301472.49	4020957.55	0.00082	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301473	4020991.69	0.00093	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301473.51	4021025.82	0.00105	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301474.02	4021059.96	0.00115	109.6	109.6	1.2	ANNUAL	ALL	4	Off-site
301371.48	4020890.78	0.00048	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301371.99	4020924.91	0.00054	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301372.5	4020959.05	0.0006	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301373.01	4020993.18	0.00066	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301373.52	4021027.32	0.00073	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301374.04	4021061.45	0.0008	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301271.49	4020892.28	0.00038	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301272	4020926.41	0.00042	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301272.51	4020960.55	0.00046	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301273.02	4020994.68	0.0005	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301273.54	4021028.82	0.00054	109.14	109.14	1.2	ANNUAL	ALL	4	Off-site
301274.05	4021062.95	0.00059	109.16	109.16	1.2	ANNUAL	ALL	4	Off-site
301171.5	4020893.78	0.00031	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301172.01	4020927.91	0.00034	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301172.52	4020962.05	0.00036	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301173.04	4020996.18	0.00039	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301173.55	4021030.32	0.00042	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301174.06	4021064.45	0.00046	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301071.51	4020895.28	0.00026	108.93	108.93	1.2	ANNUAL	ALL	4	Off-site
301072.02	4020929.41	0.00028	108.94	108.94	1.2	ANNUAL	ALL	4	Off-site
301072.53	4020963.55	0.0003	108.94	108.94	1.2	ANNUAL	ALL	4	Off-site
301073.05	4020997.68	0.00032	108.95	108.95	1.2	ANNUAL	ALL	4	Off-site
301073.56	4021031.82	0.00034	108.95	108.95	1.2	ANNUAL	ALL	4	Off-site
301074.07	4021065.95	0.00036	109.11	109.11	1.2	ANNUAL	ALL	4	Off-site
301697.15	4021135.67	0.00369	109.86	109.86	1.2	ANNUAL	ALL	4	Off-site
301695.74	4021102.31	0.0037	109.74	109.74	1.2	ANNUAL	ALL	4	Off-site
301912.65	4021253.83	0.00537	110.07	110.07	1.2	ANNUAL	ALL	4	Off-site
301950.66	4021253.71	0.00521	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301988.68	4021253.59	0.00506	110.27	110.27	1.2	ANNUAL	ALL	4	Off-site
302026.7	4021253.46	0.00482	110.28	110.28	1.2	ANNUAL	ALL	4	Off-site

302064.71	4021253.34	0.00445	110.31	110.31	1.2	ANNUAL	ALL	4	Off-site
301679.69	4021194.29	0.00312	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301673.59	4021143.2	0.00321	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
301653.93	4021127.56	0.0029	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301638.97	4021092.63	0.00263	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301894.97	4021287.31	0.00463	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
301912.81	4021303.83	0.00401	110.21	110.21	1.2	ANNUAL	ALL	4	Off-site
301952.43	4021293.14	0.00403	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301988.84	4021303.59	0.00365	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302026.86	4021303.46	0.00348	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302064.88	4021303.34	0.00325	110.06	110.06	1.2	ANNUAL	ALL	4	Off-site
301696.38	4021270.35	0.00284	110.08	110.08	1.2	ANNUAL	ALL	4	Off-site
301648.83	4021233.09	0.00255	109.98	109.98	1.2	ANNUAL	ALL	4	Off-site
301633.87	4021198.16	0.0025	109.77	109.77	1.2	ANNUAL	ALL	4	Off-site
301618.9	4021163.24	0.0024	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301603.94	4021128.31	0.00225	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301588.98	4021093.38	0.00204	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301912.97	4021353.83	0.00314	110.27	110.27	1.2	ANNUAL	ALL	4	Off-site
301950.99	4021353.71	0.00289	110.08	110.08	1.2	ANNUAL	ALL	4	Off-site
301989.01	4021353.59	0.00276	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302027.02	4021353.46	0.00263	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302065.04	4021353.34	0.00248	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301700.19	4021305.76	0.0026	110.14	110.14	1.2	ANNUAL	ALL	4	Off-site
301663.96	4021308.64	0.00232	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301613.8	4021268.77	0.0021	109.87	109.87	1.2	ANNUAL	ALL	4	Off-site
301598.83	4021233.84	0.00207	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301583.87	4021198.91	0.00202	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301568.91	4021163.99	0.00193	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301553.95	4021129.06	0.0018	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301538.98	4021094.13	0.00162	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301913.14	4021403.83	0.00251	110.17	110.17	1.2	ANNUAL	ALL	4	Off-site
301951.15	4021403.71	0.00226	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301989.17	4021403.59	0.00215	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302027.19	4021403.46	0.00205	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302065.2	4021403.34	0.00195	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301699.31	4021382.34	0.00205	109.88	109.88	1.2	ANNUAL	ALL	4	Off-site
301664.12	4021368.02	0.002	109.77	109.77	1.2	ANNUAL	ALL	4	Off-site
301628.92	4021353.7	0.00189	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301578.77	4021304.44	0.00176	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301563.8	4021269.52	0.00175	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301548.84	4021234.59	0.00171	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301533.88	4021199.66	0.00166	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301518.91	4021164.74	0.00158	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301503.95	4021129.81	0.00147	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301488.99	4021094.88	0.00132	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301913.3	4021453.83	0.00192	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301951.32	4021453.71	0.00178	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301989.33	4021453.59	0.00171	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302027.35	4021453.46	0.00164	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302065.36	4021453.34	0.00157	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301840.42	4021539.63	0.0013	108.6	108.6	1.2	ANNUAL	ALL	4	Off-site
301805.22	4021525.31	0.00136	108.22	108.22	1.2	ANNUAL	ALL	4	Off-site
301699.64	4021482.34	0.00149	108.29	108.29	1.2	ANNUAL	ALL	4	Off-site
301664.44	4021468.02	0.0015	108.46	108.46	1.2	ANNUAL	ALL	4	Off-site
301629.25	4021453.69	0.0015	108.85	108.85	1.2	ANNUAL	ALL	4	Off-site
301594.06	4021439.37	0.00146	108.85	108.85	1.2	ANNUAL	ALL	4	Off-site
301558.86	4021425.05	0.00139	108.87	108.87	1.2	ANNUAL	ALL	4	Off-site
301508.7	4021375.8	0.00131	109.63	109.63	1.2	ANNUAL	ALL	4	Off-site
301493.74	4021340.87	0.0013	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301478.78	4021305.94	0.00128	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301463.81	4021271.02	0.00126	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301448.85	4021236.09	0.00123	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301433.89	4021201.16	0.00118	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301418.93	4021166.24	0.00112	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301403.96	4021131.31	0.00102	109.44	109.44	1.2	ANNUAL	ALL	4	Off-site
301389	4021096.38	0.00092	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301913.63	4021553.83	0.00121	109.17	109.17	1.2	ANNUAL	ALL	4	Off-site
301951.64	4021553.71	0.00119	109.52	109.52	1.2	ANNUAL	ALL	4	Off-site
301989.66	4021553.59	0.00116	109.67	109.67	1.2	ANNUAL	ALL	4	Off-site
302027.67	4021553.46	0.00113	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302065.69	4021553.34	0.00109	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301840.74	4021639.63	0.00092	108.52	108.52	1.2	ANNUAL	ALL	4	Off-site
301805.55	4021625.31	0.00097	108.73	108.73	1.2	ANNUAL	ALL	4	Off-site
301770.35	4021610.99	0.00101	108.94	108.94	1.2	ANNUAL	ALL	4	Off-site
301735.16	4021596.66	0.00105	109.16	109.16	1.2	ANNUAL	ALL	4	Off-site
301699.97	4021582.34	0.00109	109.2	109.2	1.2	ANNUAL	ALL	4	Off-site
301664.77	4021568.02	0.00112	109.18	109.18	1.2	ANNUAL	ALL	4	Off-site
301629.58	4021553.69	0.00115	109.24	109.24	1.2	ANNUAL	ALL	4	Off-site
301594.38	4021539.37	0.00115	109.35	109.35	1.2	ANNUAL	ALL	4	Off-site
301559.19	4021525.05	0.00114	109.43	109.43	1.2	ANNUAL	ALL	4	Off-site
301523.99	4021510.72	0.00111	109.4	109.4	1.2	ANNUAL	ALL	4	Off-site

301488.8	4021496.4	0.00107	108.4	108.4	1.2	ANNUAL	ALL	4	Off-site
301438.64	4021447.15	0.00101	108.87	108.87	1.2	ANNUAL	ALL	4	Off-site
301423.68	4021412.22	0.00101	109.26	109.26	1.2	ANNUAL	ALL	4	Off-site
301408.72	4021377.3	0.001	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301393.75	4021342.37	0.00098	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301378.79	4021307.44	0.00097	109.43	109.43	1.2	ANNUAL	ALL	4	Off-site
301363.83	4021272.52	0.00096	109.46	109.46	1.2	ANNUAL	ALL	4	Off-site
301348.86	4021237.59	0.00093	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301333.9	4021202.66	0.00088	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301318.94	4021167.73	0.00082	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301303.97	4021132.81	0.00075	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301289.01	4021097.88	0.00067	109.31	109.31	1.2	ANNUAL	ALL	4	Off-site
301913.95	4021653.83	0.00087	108.2	108.2	1.2	ANNUAL	ALL	4	Off-site
301951.97	4021653.71	0.00086	108.32	108.32	1.2	ANNUAL	ALL	4	Off-site
301989.99	4021653.58	0.00085	108.36	108.36	1.2	ANNUAL	ALL	4	Off-site
302028	4021653.46	0.00083	108.36	108.36	1.2	ANNUAL	ALL	4	Off-site
302066.02	4021653.34	0.00081	108.36	108.36	1.2	ANNUAL	ALL	4	Off-site
301841.07	4021739.63	0.0007	109.23	109.23	1.2	ANNUAL	ALL	4	Off-site
301805.87	4021725.31	0.00073	109.46	109.46	1.2	ANNUAL	ALL	4	Off-site
301770.68	4021710.99	0.00076	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301735.49	4021696.66	0.00079	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301700.29	4021682.34	0.00082	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301665.1	4021668.02	0.00085	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301629.9	4021653.69	0.00088	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301594.71	4021639.37	0.0009	109.78	109.78	1.2	ANNUAL	ALL	4	Off-site
301559.51	4021625.05	0.00092	109.9	109.9	1.2	ANNUAL	ALL	4	Off-site
301524.32	4021610.72	0.00092	109.76	109.76	1.2	ANNUAL	ALL	4	Off-site
301489.13	4021596.4	0.00091	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301453.93	4021582.08	0.00089	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301418.74	4021567.75	0.00085	109.72	109.72	1.2	ANNUAL	ALL	4	Off-site
301368.58	4021518.5	0.00081	108.64	108.64	1.2	ANNUAL	ALL	4	Off-site
301353.62	4021483.58	0.00081	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301338.65	4021448.65	0.0008	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301323.69	4021413.72	0.00079	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301308.73	4021378.8	0.00079	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301293.76	4021343.87	0.00078	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301278.8	4021308.94	0.00077	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301263.84	4021274.01	0.00075	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301248.87	4021239.09	0.00072	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301233.91	4021204.16	0.00068	109.4	109.4	1.2	ANNUAL	ALL	4	Off-site
301218.95	4021169.23	0.00063	109.15	109.15	1.2	ANNUAL	ALL	4	Off-site
301203.98	4021134.31	0.00057	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301189.02	4021099.38	0.00051	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301876.26	4021753.96	0.00067	109.11	109.11	1.2	ANNUAL	ALL	4	Off-site
301914.28	4021753.83	0.00067	109.08	109.08	1.2	ANNUAL	ALL	4	Off-site
301952.3	4021753.71	0.00066	109.08	109.08	1.2	ANNUAL	ALL	4	Off-site
301990.31	4021753.58	0.00065	109.08	109.08	1.2	ANNUAL	ALL	4	Off-site
302028.33	4021753.46	0.00064	109.07	109.07	1.2	ANNUAL	ALL	4	Off-site
302066.34	4021753.34	0.00062	109.07	109.07	1.2	ANNUAL	ALL	4	Off-site
301841.4	4021839.63	0.00056	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301806.2	4021825.31	0.00058	109.74	109.74	1.2	ANNUAL	ALL	4	Off-site
301771.01	4021810.99	0.0006	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
301735.81	4021796.66	0.00062	109.92	109.92	1.2	ANNUAL	ALL	4	Off-site
301700.62	4021782.34	0.00064	109.98	109.98	1.2	ANNUAL	ALL	4	Off-site
301665.42	4021768.02	0.00066	110	110	1.2	ANNUAL	ALL	4	Off-site
301630.23	4021753.69	0.00068	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301595.03	4021739.37	0.00071	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301559.84	4021725.05	0.00073	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301524.65	4021710.72	0.00074	109.88	109.88	1.2	ANNUAL	ALL	4	Off-site
301489.45	4021696.4	0.00075	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301454.26	4021682.08	0.00075	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301419.06	4021667.75	0.00074	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301383.87	4021653.43	0.00072	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301348.67	4021639.11	0.0007	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301298.52	4021589.86	0.00067	108.36	108.36	1.2	ANNUAL	ALL	4	Off-site
301283.55	4021554.93	0.00067	109.56	109.56	1.2	ANNUAL	ALL	4	Off-site
301268.59	4021520	0.00066	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301253.63	4021485.08	0.00066	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301238.66	4021450.15	0.00065	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301223.7	4021415.22	0.00065	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301208.74	4021380.29	0.00064	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301193.77	4021345.37	0.00064	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301178.81	4021310.44	0.00062	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301163.85	4021275.51	0.0006	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301148.89	4021240.59	0.00057	109.42	109.42	1.2	ANNUAL	ALL	4	Off-site
301133.92	4021205.66	0.00053	109.2	109.2	1.2	ANNUAL	ALL	4	Off-site
301118.96	4021170.73	0.00049	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301104	4021135.8	0.00044	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301089.03	4021100.88	0.0004	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
301876.59	4021853.96	0.00053	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301914.61	4021853.83	0.00053	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

301952.62	4021853.71	0.00052	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301990.64	4021853.58	0.00052	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302028.65	4021853.46	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302066.67	4021853.34	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302084.06	4021053.22	0.04035	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.86	4021018.48	0.07111	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.65	4020983.73	0.08746	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.45	4020948.98	0.09423	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.25	4020914.24	0.09788	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302083.04	4020879.49	0.09611	110.26	110.26	1.2	ANNUAL	ALL	4	Off-site
302104.06	4021053.11	0.02791	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.86	4021018.36	0.04591	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.65	4020983.61	0.05843	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.45	4020948.87	0.06456	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.25	4020914.12	0.06756	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302103.04	4020879.37	0.0667	110.32	110.32	1.2	ANNUAL	ALL	4	Off-site
302115.37	4021074.28	0.01713	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302085.47	4021104.46	0.01685	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302124.06	4021052.99	0.01988	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.86	4021018.24	0.03017	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.65	4020983.5	0.03897	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.45	4020948.75	0.04426	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.25	4020914	0.04704	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.04	4020879.26	0.04686	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302132.47	4021081.26	0.01264	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302092.6	4021121.49	0.01264	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302144.06	4021052.87	0.01485	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302143.86	4021018.13	0.0212	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302143.65	4020983.38	0.02734	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302143.45	4020948.63	0.0317	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302143.25	4020913.89	0.03423	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302143.04	4020879.14	0.03449	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302154.4	4021076.41	0.01029	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302144.75	4021100.07	0.00919	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302111.52	4021133.6	0.00942	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302164.06	4021052.75	0.01152	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.85	4021018.01	0.01574	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.65	4020983.26	0.02011	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.45	4020948.51	0.02361	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.24	4020913.77	0.02583	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302163.04	4020879.02	0.02632	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302172.47	4021081.03	0.00817	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302160.89	4021109.42	0.00728	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302121.02	4021149.65	0.00756	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302092.73	4021161.49	0.0083	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302184.06	4021052.64	0.0092	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.85	4021017.89	0.01217	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.65	4020983.14	0.01539	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.45	4020948.4	0.01817	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.24	4020913.65	0.02005	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.04	4020878.9	0.02066	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302193.92	4021077.36	0.00686	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302183.78	4021102.2	0.00624	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302173.64	4021127.04	0.00574	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302138.76	4021162.25	0.006	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302114.01	4021172.61	0.0066	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302089.26	4021182.98	0.00698	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302204.06	4021052.52	0.00753	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.85	4021017.77	0.00972	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.65	4020983.03	0.01215	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.45	4020948.28	0.01436	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.24	4020913.53	0.01593	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302203.04	4020878.79	0.01657	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302212.47	4021080.79	0.00569	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302200.88	4021109.18	0.00516	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302189.3	4021137.57	0.00474	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302149.43	4021177.81	0.00502	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302121.15	4021189.65	0.00555	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302092.86	4021201.49	0.0059	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302224.06	4021052.4	0.00628	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.85	4021017.66	0.00796	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.65	4020982.91	0.00983	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.45	4020948.16	0.01159	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.24	4020913.42	0.0129	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302223.04	4020878.67	0.01352	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302231.02	4021084.22	0.0048	110.35	110.35	1.2	ANNUAL	ALL	4	Off-site
302217.99	4021116.16	0.00433	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302204.95	4021148.1	0.00398	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302160.1	4021193.36	0.00426	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302128.28	4021206.69	0.00474	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302096.46	4021220.01	0.00505	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site

302244.06	4021052.29	0.00531	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302243.85	4021017.54	0.00663	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302243.65	4020982.79	0.0081	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302243.45	4020948.05	0.00951	110.48	110.48	1.2	ANNUAL	ALL	4	Off-site
302243.24	4020913.3	0.0106	110.47	110.47	1.2	ANNUAL	ALL	4	Off-site
302243.04	4020878.55	0.01119	110.43	110.43	1.2	ANNUAL	ALL	4	Off-site
302252.47	4021080.56	0.00417	110.57	110.57	1.2	ANNUAL	ALL	4	Off-site
302240.88	4021108.95	0.00383	110.45	110.45	1.2	ANNUAL	ALL	4	Off-site
302229.3	4021137.34	0.00355	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302217.71	4021165.73	0.00333	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302177.84	4021205.96	0.00356	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302149.56	4021217.8	0.00394	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302121.28	4021229.65	0.00424	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302092.99	4021241.49	0.00441	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302264.06	4021052.17	0.00456	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302263.85	4021017.42	0.00562	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302263.65	4020982.68	0.00679	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302263.45	4020947.93	0.00793	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302263.24	4020913.18	0.00883	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302263.04	4020878.44	0.00938	110.56	110.56	1.2	ANNUAL	ALL	4	Off-site
302301.99	4021081.45	0.00301	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302289.92	4021111.02	0.00277	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302277.85	4021140.59	0.00256	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302265.78	4021170.17	0.00241	110.54	110.54	1.2	ANNUAL	ALL	4	Off-site
302253.71	4021199.74	0.0023	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302212.18	4021241.65	0.00248	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302182.72	4021253.99	0.00274	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302153.26	4021266.32	0.00297	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302123.8	4021278.66	0.00314	110.33	110.33	1.2	ANNUAL	ALL	4	Off-site
302094.34	4021291	0.00324	110.2	110.2	1.2	ANNUAL	ALL	4	Off-site
302314.06	4021051.88	0.00329	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.85	4021017.13	0.00394	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.65	4020982.38	0.00464	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.45	4020947.64	0.00533	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.24	4020912.89	0.00592	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302313.04	4020878.14	0.00633	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302351.64	4021082	0.00229	110.66	110.66	1.2	ANNUAL	ALL	4	Off-site
302339.23	4021112.42	0.00211	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302326.81	4021142.84	0.00195	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302314.4	4021173.25	0.00182	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302301.98	4021203.67	0.00173	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302289.57	4021234.09	0.00167	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302246.85	4021277.19	0.00182	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302216.55	4021289.88	0.00201	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302186.25	4021302.58	0.00218	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302155.95	4021315.27	0.00232	110.3	110.3	1.2	ANNUAL	ALL	4	Off-site
302125.64	4021327.96	0.00243	110.08	110.08	1.2	ANNUAL	ALL	4	Off-site
302095.34	4021340.65	0.00248	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302364.05	4021051.58	0.00249	110.79	110.79	1.2	ANNUAL	ALL	4	Off-site
302363.85	4021016.84	0.00291	110.78	110.78	1.2	ANNUAL	ALL	4	Off-site
302363.65	4020982.09	0.00336	110.78	110.78	1.2	ANNUAL	ALL	4	Off-site
302363.44	4020947.34	0.0038	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302363.24	4020912.6	0.0042	110.67	110.67	1.2	ANNUAL	ALL	4	Off-site
302363.04	4020877.85	0.0045	110.73	110.73	1.2	ANNUAL	ALL	4	Off-site
302401.38	4021082.34	0.00181	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302388.71	4021113.39	0.00166	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302376.04	4021144.44	0.00154	110.91	110.91	1.2	ANNUAL	ALL	4	Off-site
302363.36	4021175.49	0.00143	110.7	110.7	1.2	ANNUAL	ALL	4	Off-site
302350.69	4021206.55	0.00136	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302338.02	4021237.6	0.00131	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302325.35	4021268.65	0.00127	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302281.74	4021312.65	0.00138	110.52	110.52	1.2	ANNUAL	ALL	4	Off-site
302250.8	4021325.61	0.00152	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302219.87	4021338.56	0.00166	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302188.94	4021351.52	0.00177	110.29	110.29	1.2	ANNUAL	ALL	4	Off-site
302158	4021364.47	0.00187	110.05	110.05	1.2	ANNUAL	ALL	4	Off-site
302127.07	4021377.43	0.00193	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302096.14	4021390.38	0.00195	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302414.05	4021051.29	0.00195	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.85	4021016.55	0.00224	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.65	4020981.8	0.00253	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.44	4020947.05	0.00283	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.24	4020912.31	0.0031	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302413.04	4020877.56	0.00333	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302451.18	4021082.54	0.00147	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302438.31	4021114.09	0.00136	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302425.43	4021145.63	0.00125	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302412.56	4021177.17	0.00116	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302399.68	4021208.72	0.00109	110.84	110.84	1.2	ANNUAL	ALL	4	Off-site
302386.81	4021240.26	0.00105	110.71	110.71	1.2	ANNUAL	ALL	4	Off-site
302373.94	4021271.8	0.00102	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site

302361.06	4021303.35	0.001	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302316.76	4021348.05	0.00109	110.61	110.61	1.2	ANNUAL	ALL	4	Off-site
302285.34	4021361.21	0.00119	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302253.91	4021374.37	0.00129	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302222.49	4021387.53	0.00139	110.29	110.29	1.2	ANNUAL	ALL	4	Off-site
302191.06	4021400.69	0.00147	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302159.64	4021413.86	0.00153	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302128.21	4021427.02	0.00157	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302096.79	4021440.18	0.00158	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302464.05	4021051	0.00157	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.85	4021016.25	0.00177	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.65	4020981.51	0.00198	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.44	4020946.76	0.00218	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.24	4020912.01	0.00238	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302463.04	4020877.27	0.00255	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302551.98	4021079.99	0.00102	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302539.91	4021109.56	0.00097	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302527.84	4021139.13	0.00091	111.12	111.12	1.2	ANNUAL	ALL	4	Off-site
302515.77	4021168.7	0.00085	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302503.71	4021198.27	0.0008	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302491.64	4021227.85	0.00075	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302479.57	4021257.42	0.00071	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302467.5	4021286.99	0.00069	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302455.43	4021316.56	0.00067	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302443.36	4021346.13	0.00067	110.95	110.95	1.2	ANNUAL	ALL	4	Off-site
302431.29	4021375.71	0.00066	110.86	110.86	1.2	ANNUAL	ALL	4	Off-site
302389.76	4021417.62	0.00071	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302360.3	4021429.96	0.00077	110.44	110.44	1.2	ANNUAL	ALL	4	Off-site
302330.84	4021442.29	0.00083	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302301.38	4021454.63	0.00089	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302271.92	4021466.97	0.00094	110.24	110.24	1.2	ANNUAL	ALL	4	Off-site
302242.46	4021479.31	0.00099	110.07	110.07	1.2	ANNUAL	ALL	4	Off-site
302213	4021491.65	0.00103	109.86	109.86	1.2	ANNUAL	ALL	4	Off-site
302183.53	4021503.98	0.00106	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302154.07	4021516.32	0.00108	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302124.61	4021528.66	0.0011	109.62	109.62	1.2	ANNUAL	ALL	4	Off-site
302095.15	4021541	0.0011	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302564.05	4021050.41	0.00107	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.85	4021015.67	0.00118	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.64	4020980.92	0.00129	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.44	4020946.17	0.0014	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.24	4020911.43	0.00151	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302563.03	4020876.68	0.00161	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302651.64	4021080.25	0.00075	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302639.22	4021110.66	0.00072	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302626.81	4021141.08	0.00069	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302614.39	4021171.5	0.00065	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302601.98	4021201.91	0.00061	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302589.57	4021232.33	0.00057	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302577.15	4021262.75	0.00053	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302564.74	4021293.16	0.00051	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302552.32	4021323.58	0.00049	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302539.91	4021354	0.00048	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302527.5	4021384.42	0.00047	111.23	111.23	1.2	ANNUAL	ALL	4	Off-site
302515.08	4021414.83	0.00047	111.1	111.1	1.2	ANNUAL	ALL	4	Off-site
302502.67	4021445.25	0.00047	110.96	110.96	1.2	ANNUAL	ALL	4	Off-site
302459.95	4021488.36	0.00051	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302429.65	4021501.05	0.00055	110.54	110.54	1.2	ANNUAL	ALL	4	Off-site
302399.35	4021513.74	0.00059	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302369.04	4021526.43	0.00062	110.31	110.31	1.2	ANNUAL	ALL	4	Off-site
302338.74	4021539.12	0.00066	110.09	110.09	1.2	ANNUAL	ALL	4	Off-site
302308.44	4021551.81	0.0007	110.01	110.01	1.2	ANNUAL	ALL	4	Off-site
302278.14	4021564.5	0.00073	109.97	109.97	1.2	ANNUAL	ALL	4	Off-site
302247.83	4021577.19	0.00075	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302217.53	4021589.88	0.00078	108.96	108.96	1.2	ANNUAL	ALL	4	Off-site
302187.23	4021602.57	0.0008	108.29	108.29	1.2	ANNUAL	ALL	4	Off-site
302156.92	4021615.26	0.00081	108.28	108.28	1.2	ANNUAL	ALL	4	Off-site
302126.62	4021627.96	0.00081	108.32	108.32	1.2	ANNUAL	ALL	4	Off-site
302096.32	4021640.65	0.00081	108.23	108.23	1.2	ANNUAL	ALL	4	Off-site
302751.38	4021080.29	0.00057	111.67	111.67	1.2	ANNUAL	ALL	4	Off-site
302738.7	4021111.35	0.00055	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302726.03	4021142.4	0.00053	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302713.36	4021173.45	0.00051	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302700.68	4021204.5	0.00048	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302688.01	4021235.55	0.00045	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302662.67	4021297.65	0.0004	111.38	111.38	1.2	ANNUAL	ALL	4	Off-site
302649.99	4021328.7	0.00038	111.47	111.47	1.2	ANNUAL	ALL	4	Off-site
302637.32	4021359.75	0.00037	111.43	111.43	1.2	ANNUAL	ALL	4	Off-site
302624.65	4021390.8	0.00036	111.3	111.3	1.2	ANNUAL	ALL	4	Off-site
302611.98	4021421.85	0.00036	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302599.3	4021452.9	0.00035	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site

302586.63	4021483.95	0.00036	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302573.96	4021515	0.00036	111.1	111.1	1.2	ANNUAL	ALL	4	Off-site
302530.35	4021559.01	0.00038	110.65	110.65	1.2	ANNUAL	ALL	4	Off-site
302499.42	4021571.96	0.00041	110.4	110.4	1.2	ANNUAL	ALL	4	Off-site
302468.48	4021584.92	0.00044	110.26	110.26	1.2	ANNUAL	ALL	4	Off-site
302437.55	4021597.87	0.00046	110.13	110.13	1.2	ANNUAL	ALL	4	Off-site
302406.62	4021610.83	0.00049	110	110	1.2	ANNUAL	ALL	4	Off-site
302375.68	4021623.78	0.00051	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302344.75	4021636.74	0.00054	109.98	109.98	1.2	ANNUAL	ALL	4	Off-site
302313.81	4021649.7	0.00056	108.93	108.93	1.2	ANNUAL	ALL	4	Off-site
302282.88	4021662.65	0.00058	108.26	108.26	1.2	ANNUAL	ALL	4	Off-site
302251.95	4021675.61	0.0006	108.61	108.61	1.2	ANNUAL	ALL	4	Off-site
302221.01	4021688.56	0.00061	108.87	108.87	1.2	ANNUAL	ALL	4	Off-site
302190.08	4021701.52	0.00062	108.85	108.85	1.2	ANNUAL	ALL	4	Off-site
302159.14	4021714.47	0.00063	108.98	108.98	1.2	ANNUAL	ALL	4	Off-site
302128.21	4021727.43	0.00063	109.12	109.12	1.2	ANNUAL	ALL	4	Off-site
302097.28	4021740.38	0.00063	109.04	109.04	1.2	ANNUAL	ALL	4	Off-site
302764.05	4021049.24	0.00059	111.65	111.65	1.2	ANNUAL	ALL	4	Off-site
302763.84	4021014.5	0.00063	111.74	111.74	1.2	ANNUAL	ALL	4	Off-site
302763.64	4020979.75	0.00067	111.06	111.06	1.2	ANNUAL	ALL	4	Off-site
302763.44	4020945	0.00072	110.06	110.06	1.2	ANNUAL	ALL	4	Off-site
302763.23	4020910.26	0.00076	110.07	110.07	1.2	ANNUAL	ALL	4	Off-site
302763.03	4020875.51	0.0008	110.05	110.05	1.2	ANNUAL	ALL	4	Off-site
302851.17	4021080.2	0.00045	112.08	112.08	1.2	ANNUAL	ALL	4	Off-site
302838.3	4021111.75	0.00044	112.02	112.02	1.2	ANNUAL	ALL	4	Off-site
302825.42	4021143.29	0.00043	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302812.55	4021174.83	0.00041	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302799.68	4021206.38	0.0004	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302786.8	4021237.92	0.00038	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302773.93	4021269.46	0.00036	111.86	111.86	1.2	ANNUAL	ALL	4	Off-site
302761.06	4021301.01	0.00033	111.77	111.77	1.2	ANNUAL	ALL	4	Off-site
302748.18	4021332.55	0.00031	111.64	111.64	1.2	ANNUAL	ALL	4	Off-site
302735.31	4021364.09	0.0003	111.78	111.78	1.2	ANNUAL	ALL	4	Off-site
302722.43	4021395.64	0.00029	111.68	111.68	1.2	ANNUAL	ALL	4	Off-site
302709.56	4021427.18	0.00028	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302696.69	4021458.72	0.00028	111.73	111.73	1.2	ANNUAL	ALL	4	Off-site
302670.94	4021521.81	0.00028	111.56	111.56	1.2	ANNUAL	ALL	4	Off-site
302658.06	4021553.35	0.00028	111.52	111.52	1.2	ANNUAL	ALL	4	Off-site
302645.19	4021584.9	0.00028	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302600.89	4021629.6	0.0003	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
302569.47	4021642.76	0.00032	111.04	111.04	1.2	ANNUAL	ALL	4	Off-site
302538.04	4021655.92	0.00034	110.19	110.19	1.2	ANNUAL	ALL	4	Off-site
302506.62	4021669.08	0.00036	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
302475.19	4021682.25	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302443.77	4021695.41	0.0004	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302412.34	4021708.57	0.00041	109.62	109.62	1.2	ANNUAL	ALL	4	Off-site
302380.92	4021721.73	0.00043	108.48	108.48	1.2	ANNUAL	ALL	4	Off-site
302349.49	4021734.89	0.00045	108.45	108.45	1.2	ANNUAL	ALL	4	Off-site
302318.07	4021748.05	0.00046	109.64	109.64	1.2	ANNUAL	ALL	4	Off-site
302286.64	4021761.21	0.00047	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302255.22	4021774.37	0.00048	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
302223.79	4021787.53	0.00049	109.66	109.66	1.2	ANNUAL	ALL	4	Off-site
302192.37	4021800.69	0.0005	109.55	109.55	1.2	ANNUAL	ALL	4	Off-site
302160.94	4021813.85	0.0005	109.69	109.69	1.2	ANNUAL	ALL	4	Off-site
302129.52	4021827.01	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302098.09	4021840.17	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302864.05	4021048.66	0.00046	110.57	110.57	1.2	ANNUAL	ALL	4	Off-site
302863.84	4021013.91	0.0005	109.76	109.76	1.2	ANNUAL	ALL	4	Off-site
302863.64	4020979.17	0.00052	110.35	110.35	1.2	ANNUAL	ALL	4	Off-site
302863.44	4020944.42	0.00055	110.71	110.71	1.2	ANNUAL	ALL	4	Off-site
302863.23	4020909.67	0.00058	110.9	110.9	1.2	ANNUAL	ALL	4	Off-site
302863.03	4020874.93	0.00061	110.56	110.56	1.2	ANNUAL	ALL	4	Off-site
302586.56	4020802.22	0.00161	111.25	111.25	1.2	ANNUAL	ALL	4	Off-site
301680.63	4021306.87	0.00245	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301657.69	4021276.12	0.00244	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301680.63	4021272.99	0.00267	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301638.92	4021273.51	0.00229	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301640.49	4021306.87	0.00216	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301623.81	4021303.75	0.00205	109.97	109.97	1.2	ANNUAL	ALL	4	Off-site
301600.87	4021305.31	0.0019	109.74	109.74	1.2	ANNUAL	ALL	4	Off-site
301696.79	4021224.51	0.00318	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301679.06	4021220.34	0.00297	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301698.35	4021186.97	0.00346	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301671.77	4021105.13	0.0032	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301666.55	4020974.28	0.0022	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301708.26	4020936.75	0.00231	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301734.32	4020584.35	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301816.11	4020492.37	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302101.58	4020387.93	0.00105	109.8	109.8	1.2	ANNUAL	ALL	4	Off-site
302077.1	4020392.08	0.001	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301872.2	4020395.47	0.00048	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

301896.31	4020390.95	0.00052	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301917.02	4020390.57	0.00056	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301940.37	4020387.18	0.0006	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301960.71	4020387.93	0.00065	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
301981.81	4020394.34	0.00072	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302001.77	4020390.19	0.00077	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302029.27	4020387.56	0.00084	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302051.11	4020389.82	0.00091	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site
302148.43	4020865.24	0.03123	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302321.32	4020857.33	0.0061	110.64	110.64	1.2	ANNUAL	ALL	4	Off-site
302105.53	4021102.15	0.01387	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302138.51	4021117.52	0.00844	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
301927.96	4021262.55	0.005	110.04	110.04	1.2	ANNUAL	ALL	4	Off-site
301979.83	4021286.24	0.00411	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302011.85	4021285.92	0.00397	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302029.46	4021286.88	0.00384	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
302055.71	4021284	0.00372	110.08	110.08	1.2	ANNUAL	ALL	4	Off-site
302077.16	4021285.92	0.0035	110.23	110.23	1.2	ANNUAL	ALL	4	Off-site
302168.41	4021281.76	0.00258	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302114.3	4021290.73	0.00305	110.22	110.22	1.2	ANNUAL	ALL	4	Off-site
302225.4	4021320.82	0.00172	110.34	110.34	1.2	ANNUAL	ALL	4	Off-site
302043.23	4021328.19	0.00294	110.03	110.03	1.2	ANNUAL	ALL	4	Off-site
301949.09	4021331.07	0.00326	110.12	110.12	1.2	ANNUAL	ALL	4	Off-site
301726.29	4021362.43	0.0023	110.14	110.14	1.2	ANNUAL	ALL	4	Off-site
301691.09	4021348.1	0.00224	110.04	110.04	1.2	ANNUAL	ALL	4	Off-site
301611.33	4021383.53	0.0017	109.63	109.63	1.2	ANNUAL	ALL	4	Off-site
301576.14	4021369.2	0.00159	109.71	109.71	1.2	ANNUAL	ALL	4	Off-site
301540.94	4021354.88	0.00147	109.73	109.73	1.2	ANNUAL	ALL	4	Off-site

** CONCUNIT ug/m^3
** DEPUNIT g/m^2

Health Risk Assessment

Operational Health Risk Assessment

Proposed Camino Castaneda Commercial and Residential Development Project—Farmersville, CA

Diesel Trucks

Fleet Mixes	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Residental Uses	0.5305	0.2058	0.1673	0.055	0.0011	0.0009	0.0085	0.0218	0	0.0043	0.0025	0.0004	0.0019
Commercial Uses	0.50136	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

Trips

	Weekday	Saturday	Suday	Average Daily
Residential	324	218.4	185.28	289.10
Commercial	5,440.32	6,420.77	5,749.56	5,624.56
Total	5,764.32	6,639.17	5,934.84	5,913.66

Calculations for Average Daily Truck Trips

Residental

Fleet Mixes	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	Total
Residental Fleet Mix	0.5305	0.2058	0.1673	0.055	0.0011	0.0009	0.0085	0.0218	0	0.0043	0.0025	0.0004	0.0019	
Average Daily Trips	153.366	59.49619	48.36595	15.90034	0.318007	0.260187	2.457326	6.302318	0	1.243118	0.722743	0.115639	0.549285	289.0971

HHDT	6.302318
LHDT1	0.318007
LHDT2	0.260187
MHDT	2.457326

Commercial Uses

Calculations for Average Daily Truck Trips

Residental

Fleet Mixes	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	Total
Commercial Fleet Mix	0.50136	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751	
Average Daily Trips	2819.93	287.6119	938.8236	1022.286	186.1392	46.44763	66.6398	86.70823	3.633466	2.649168	134.1514	8.448091	21.09773	5624.567

HHDT	86.70823
LHDT1	186.1392
LHDT2	46.44763
MHDT	66.6398

Total Project (Residential + Commercial)

	Daily Trips	% of Fleet I	Daily Diesel Trips	
HHDT	93.01055	0.998784	92.8975	92.8975
LHDT1	186.4572	0.56935	106.1595	106.1595
LHDT2	46.70781	0.725124	33.86893	33.86893
MHDT	69.09713	0.926032	63.98613	63.98613

Percent Diesel Calculatins
EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: TULARE
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	VMT	Trips
TULARE	2023	HHDT	Aggregatec	Aggregatec	GAS	0.766673	109.5718	15.33959
TULARE	2023	HHDT	Aggregatec	Aggregatec	DSL	6112.224	828308.4	69132.74
TULARE	2023	HHDT	Aggregatec	Aggregatec	NG	22.03263	898.463	85.92724
					Total	6135.023	829316.4	69234
					DSL	0.996284	0.998784	0.998537
TULARE	2023	LHDT1	Aggregatec	Aggregatec	GAS	5687.417	184533.6	84734.03
TULARE	2023	LHDT1	Aggregatec	Aggregatec	DSL	7483.051	243967	94127.36
					Total	13170.47	428500.6	178861.4
					DSL	0.568169	0.56935	0.526259
TULARE	2023	LHDT2	Aggregatec	Aggregatec	GAS	927.9674	30040.97	13825.33
TULARE	2023	LHDT2	Aggregatec	Aggregatec	DSL	2358.47	79248.01	29666.59
					Total	3286.438	109289	43491.92
					DSL	0.717637	0.725124	0.682117
TULARE	2023	MHDT	Aggregatec	Aggregatec	GAS	422.794	21441.2	8459.263
TULARE	2023	MHDT	Aggregatec	Aggregatec	DSL	4292.249	268428.9	37725.5
					Total	4715.043	289870.1	46184.76
					DSL	0.910331	0.926032	0.816839

Farmersville Mixed Use Project—Health Risk Screening Analysis for Project Operations (DPM)

Diesel Truck Trips

	Trucks Onsite Daily
Heavy Truck Trips	148.46

Truck Assumptions

Trucks Onsite per Day	148.46
Trucks Onsite per Year	54,186.5
Idling Events per Truck per day	2
Idling Time per Event (min.)	15
Idling Minutes/Year	1,625,594
Idling Hours/Year	27,093

	Truck Entering	Trucks Exiting	Total
Average Travel Distance Onsite (ft)	615	615	1,230

Measured with Google Earth Path Tool

	Miles/Trip	Truck Trips/Year	Miles/Year
Offsite Miles Estimate	0.25	108,372.9	27,093.2

	Distance Onsite (ft) in and out	Distance to Receptor Meters	Direction to Receptor	Idling Emissions (lbs/year)	Running Emissions (lbs/yr)	Total Truck Emissions (lbs/year)	Grand Total (lbs/yr)	Average Lbs/Day	Max Lbs/Day*	Max lbs/Hr
Emissions	1,230	<100 M	All	2.84	2.23	**5.06**	5.06	0.01387	0.04162	0.00347

*Max daily assumed to be 3 times the daily average. Max hr based on 12 hrs/day

Running Emission Calculations	**EMFAC 2017 Rates**
Idling Emission Rate for Diesel g/day	3.52482
g/lb conversion factor	0.00220
HDT Onsite Running Emissions 5 mph g/mile	0.04785
HDT Running Emissions Onroad 5-25 mph	0.03000

EMFAC 2017 PM10 running emissions Aggregated Fleet Age in 2023

EMFAC 2017 Average Running Emissions

	PM10_RUNEX 5-25 MPH	**PM10 RUNEX 5 MPH**
Weighted Averages (Based on Project Fleet)	**0.0300**	**0.04785**

	Distance (Feet)	**Distance (Miles)**	**Miles/Year/ Truck**	**Trucks/Day**	**Emission (g/mi)**	**Emissions g/year**	**Emission lbs/year**	**Emissions lbs/hour**
Onsite Running Emissions	1,230.00	0.23	85.0	148.4560283	0.04785	603.95	1.33	0.00030399

	Distance (Feet)	**Miles/ Round Trip**	**Miles/Year/ Truck**	**Trucks/Day**	**Emissions Rate (g/mi)**	**Emissions g/year**	**Emission lbs/year**	**Emissions lbs/hour**
Offsite Running Emissions	1,320.00	0.25	91.25	148.5	0.03000	406.33	0.90	0.00020452
						Total Running	**2.23**	**0.00051**

Total Emissions	**Lbs/Year**
Onsite Running Emissions	1.3315
Offsite Running Emissions	0.8958
Idling Emissions	2.8364
Total	**5.0637**

Average Emission	**Lbs/Year**	**Grams/Year**	**Grams/Second**
Onsite Running Emissions	1.3315	603.9493	1.9138E-05
Offsite Running Emissions	0.8958	406.3333	1.28759E-05
Idling Emissions	2.8364	1286.5597	4.07686E-05
Total	**5.0637**	**2296.8422**	**7.27825E-05**

Health Risk Prioritization Results (Receptor 0-100 M)

	Cancer Score	**Chronic Score**	**Acute Score**
Prioritization Score Truck Run and Idle	11.697147	0.006	0.000

On-site Truck Running and Idling Emissions for the Health Risk Screening Analysis—Farmersville Mixed Use Project

EMFAC2017 (v1.0.2) Emission Rates
Region Type: County
Region: TULARE
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW. Note 'day' in the unit is operation day.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
TULARE	2023	HHDT	Aggregated	5	DSL	13253.24495	13.23591436	0.016131726	0.016861131	3483.633998	0.0069987	0.547578752	0.150680099	0.171537823	2.057152016	0.032911647
TULARE	2023	HHDT	Aggregated	10	DSL	19044.95542	10.34281848	0.013417263	0.014023932	2901.354041	0.004421203	0.456052451	0.095187297	0.108363492	1.276543596	0.027410554
TULARE	2023	HHDT	Aggregated	15	DSL	15484.98098	7.394934717	0.009710891	0.010149975	2301.195581	0.002352916	0.361715899	0.050657634	0.057669861	0.696127573	0.021740555
TULARE	2023	HHDT	Aggregated	20	DSL	23587.82324	5.538185234	0.006783502	0.007090222	1932.648388	0.001418709	0.303785413	0.030544423	0.034772501	0.45424599	0.018258704
TULARE	2023	HHDT	Aggregated	25	DSL	19455.3517	4.613411682	0.007261822	0.00759017	1696.228655	0.001191381	0.266623523	0.025650098	0.029200684	0.356524029	0.016025127
						Total	41.12526447	0.053305204	0.055715429	12315.06066	0.01638291	1.935756039	0.352719551	0.401544359	4.840593204	0.116346587
TULARE	2023	LHDT1	Aggregated	5	DSL	4290.047489	2.409776438	0.086080401	0.089972575	1250.004439	0.03709825	0.19648329	0.798703471	0.9092708	3.505579679	0.011817037
TULARE	2023	LHDT1	Aggregated	10	DSL	14266.36321	2.45700908	0.063254189	0.066114262	1050.823768	0.026900294	0.165174863	0.5791475	0.659320925	2.564998095	0.009934064
TULARE	2023	LHDT1	Aggregated	15	DSL	30896.85571	2.472846077	0.047923872	0.050090777	686.2758552	0.015912146	0.107873007	0.342579132	0.390003565	1.537474907	0.006487775
TULARE	2023	LHDT1	Aggregated	20	DSL	33872.93349	2.517242829	0.037552765	0.039250734	584.9465343	0.009332524	0.091945449	0.200923751	0.228738332	0.925241288	0.005529848
TULARE	2023	LHDT1	Aggregated	25	DSL	36253.07556	2.608664077	0.030525806	0.031906047	518.7918668	0.006869777	0.081546857	0.147902256	0.168376885	0.703653713	0.004904449
						Total	12.4655385	0.265337033	0.277334396	4090.842463	0.096112991	0.643023467	2.069256109	2.355710507	9.236947682	0.038673173
TULARE	2023	LHDT2	Aggregated	5	DSL	1393.5399	2.001173313	0.074035426	0.077382979	1309.048254	0.036611907	0.205764156	0.788232791	0.897350628	3.466785244	0.012375214
TULARE	2023	LHDT2	Aggregated	10	DSL	4634.155311	2.014133661	0.055785181	0.058307539	1163.392082	0.026733298	0.182869034	0.575552173	0.655227884	2.549709175	0.010998239
TULARE	2023	LHDT2	Aggregated	15	DSL	10036.25282	1.988241735	0.042990248	0.044934076	774.4351254	0.015202361	0.121730417	0.327297875	0.372606871	1.463857743	0.007321197
TULARE	2023	LHDT2	Aggregated	20	DSL	11002.97479	1.996042111	0.034072381	0.035612983	660.536189	0.008344866	0.10382709	0.179660043	0.204531014	0.820612549	0.006244442
TULARE	2023	LHDT2	Aggregated	25	DSL	11776.11843	2.054528339	0.027906046	0.029167833	588.6410936	0.005990123	0.092526183	0.128963816	0.146816731	0.60643841	0.005564775
						Total	10.05411916	0.234789281	0.245405411	4496.052744	0.092882554	0.70671688	1.999706699	2.276533127	8.90740312	0.042503867
TULARE	2023	MHDT	Aggregated	5	DSL	11232.5878	6.775574725	0.006985116	0.007300952	2380.26517	0.002978496	0.374144538	0.064126192	0.073002789	0.7977449	0.022487565
TULARE	2023	MHDT	Aggregated	10	DSL	12853.01239	5.205389414	0.006140577	0.006418227	1971.866839	0.001965008	0.309950007	0.042306073	0.048162244	0.496676814	0.01862922
TULARE	2023	MHDT	Aggregated	15	DSL	9891.069422	3.720023351	0.004393938	0.004592612	1555.813173	0.001041112	0.244552165	0.022414849	0.025517599	0.272712263	0.014698551
TULARE	2023	MHDT	Aggregated	20	DSL	12085.44458	2.962496918	0.003303162	0.003452517	1328.317519	0.000643843	0.208793016	0.013861766	0.015780565	0.181990618	0.012549285
TULARE	2023	MHDT	Aggregated	25	DSL	16481.22812	2.336847556	0.003109912	0.003250529	1161.16019	0.000503898	0.182518212	0.010848777	0.012350506	0.139537778	0.010970066
						Total	21.00033196	0.023932705	0.025014836	8397.42289	0.007132355	1.319957937	0.153557657	0.174813703	1.888662372	0.079334688

Running Emissions 5-25 MPH Averaged

	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
HHDT	**8.2251**	**0.0107**	**0.0111**	**2463.0121**	**0.0033**	**0.3872**	**0.0705**	**0.0803**	**0.9681**	**0.0233**
LHDT1	**2.4931**	**0.0531**	**0.0555**	**818.1685**	**0.0192**	**0.1286**	**0.4139**	**0.4711**	**1.8474**	**0.0077**
LHDT2	**2.0108**	**0.0470**	**0.0491**	**899.2105**	**0.0186**	**0.1413**	**0.3999**	**0.4553**	**1.7815**	**0.0085**
MHDT	**4.2001**	**0.0048**	**0.0050**	**1679.4846**	**0.0014**	**0.2640**	**0.0307**	**0.0350**	**0.3777**	**0.0159**

HHDT		**LHDT1**		**LHDT2**		**MHDT**	
Miles per Trip	0.25	Miles per Trip	0.25	Miles per Trip	0.25	Miles per Trip	0.25
Daily Trucks	46.45	Daily Trucks	53.08	Daily Trucks	16.93	Daily Trucks	31.99
Daily Trips	92.89749789	Daily Trips	106.1594945	Daily Trips	33.86893422	Daily Trips	63.98612995

Onsite Truck Max Daily Emissions	**ROG**	**NO_x**	**CO**	**SO2**	**PM10**	**PM2.5**
HHDT (g/day)	1.6383	191.0217	22.4839	0.5404	0.2588	0.2476
LHDT1 (g/day)	10.9836	66.1668	49.0295	0.2053	1.4721	1.4084
LHDT2 (g/day)	3.3864	17.0261	15.0842	0.0720	0.4156	0.3976
MHDT (g/day)	0.4913	67.1865	6.0424	0.2538	0.0800	0.0766
Total Trucks (g/day)	16.4996	341.4011	92.6401	1.0715	2.2265	2.1302
Running Emissions lbs/day	0.0364	0.7527	0.2042	0.0024	0.0049	0.0047
Idling Emissions Lbs/Day	0.615	7.937	9.044	0.014	0.008	0.007
Total Emissions/Day	**0.652**	**8.689**	**9.248**	**0.0167**	**0.013**	**0.012**
g/lb conversion factor		0.00220				

Onsite Truck Max Daily Emissions	**ROG**	**NO_X**	**CO**	**SO2**	**PM10**	**PM2.5**
HHDT (g/day)	1.6383	191.0217	22.4839	0.5404	0.2588	0.2476
LHDT1 (g/day)	10.9836	66.1668	49.0295	0.2053	1.4721	1.4084
LHDT2 (g/day)	3.3864	17.0261	15.0842	0.0720	0.4156	0.3976
MHDT (g/day)	0.4913	67.1865	6.0424	0.2538	0.0800	0.0766
Total Trucks (g/day)	16.4996	341.4011	92.6401	1.0715	2.2265	2.1302
Running Emissions lbs/day	0.0364	0.7527	0.2042	0.0024	0.0049	0.0047
Idling Emissions Lbs/Day	0.615	7.937	9.044	0.014	0.008	0.007
Total Emissions/Day	**0.652**	**8.689**	**9.248**	**0.0167**	**0.013**	**0.012**
g/lb conversion factor		0.00220				
Idling Minutes/Day Per Truck	15					
Max Trucks per Day	148.46					
Number Idling Trucks per Day	148.46					
Max Trucks per Day—HHDT	46.45					
Max Trucks per Day—LHDT1	53.08					
Max Trucks per Day—LHDT2	16.93					
Max Trucks per Day—MHDT	31.99					

Idling Emissions	Calendar Year	Season	Region	Vehicle Category	Fuel	Pollutant	g/vehicle/day	g/day	Max lbs/day
IDLEX	2023	Annual	TULARE	HHDT	DSL	ROG	5.7935	269.10	0.593266
IDLEX	2023	Annual	TULARE	LHDT1	DSL	ROG	0.1098	5.83	0.012844
IDLEX	2023	Annual	TULARE	LHDT2	DSL	ROG	0.1098	1.86	0.004098
IDLEX	2023	Annual	TULARE	MHDT	DSL	ROG	0.0750	2.40	0.005291
IDLEX	2023	Annual	TULARE	HHDT	DSL	NOx	70.2100	3,261.17	7.189646
IDLEX	2023	Annual	TULARE	LHDT1	DSL	NOx	2.3560	125.05	0.275697
IDLEX	2023	Annual	TULARE	LHDT2	DSL	NOx	2.3031	39.00	0.085985
IDLEX	2023	Annual	TULARE	MHDT	DSL	NOx	5.4626	174.76	0.385290
IDLEX	2023	Annual	TULARE	HHDT	DSL	CO	85.0550	3,950.70	8.709804
IDLEX	2023	Annual	TULARE	LHDT1	DSL	CO	0.9097	48.29	0.106459
IDLEX	2023	Annual	TULARE	LHDT2	DSL	CO	0.9097	15.41	0.033965
IDLEX	2023	Annual	TULARE	MHDT	DSL	CO	2.7429	87.75	0.193464
IDLEX	2023	Annual	TULARE	HHDT	DSL	SO2	0.1323	6.15	0.013548
IDLEX	2023	Annual	TULARE	LHDT1	DSL	SO2	0.0013	0.07	0.000153
IDLEX	2023	Annual	TULARE	LHDT2	DSL	SO2	0.0021	0.04	0.000078
IDLEX	2023	Annual	TULARE	MHDT	DSL	SO2	0.0084	0.27	0.000590
IDLEX	2023	Annual	TULARE	HHDT	DSL	PM10	0.0312	1.45	0.003193
IDLEX	2023	Annual	TULARE	LHDT1	DSL	PM10	0.0277	1.47	0.003237
IDLEX	2023	Annual	TULARE	LHDT2	DSL	PM10	0.0277	0.47	0.001034
IDLEX	2023	Annual	TULARE	MHDT	DSL	PM10	0.0044	0.14	0.000307
IDLEX	2023	Annual	TULARE	HHDT	DSL	PM2.5	0.0298	1.39	0.003054
IDLEX	2023	Annual	TULARE	LHDT1	DSL	PM2.5	0.0265	1.40	0.003097
IDLEX	2023	Annual	TULARE	LHDT2	DSL	PM2.5	0.0265	0.45	0.000989
IDLEX	2023	Annual	TULARE	MHDT	DSL	PM2.5	0.0042	0.13	0.000294

For Weighted Average for Project (5-25 MPH)

	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
Weighted Average Using Project Truck Fleet Percentages										
HHDT	8.225052895	0.010661041	0.011143086	2463.012133	0.003276582	0.387151208	0.07054391	0.080308872	0.968118641	0.023269317
LHDT1	2.4931077	0.053067407	0.055466879	818.1684927	0.019222598	0.128604693	0.413851222	0.471142101	1.847389536	0.007734635
LHDT2	2.010823832	0.046957856	0.049081082	899.2105487	0.018576511	0.141343376	0.39994134	0.455306625	1.781480624	0.008500773
MHDT	4.200066393	0.004786541	0.005002967	1679.484578	0.001426471	0.263991587	0.030711531	0.034962741	0.377732474	0.015866938
HHDT	382.043417	0.495192007	0.517582392	114403.8322	0.152193131	17.98268925	3.276676374	3.730246626	44.9678997	1.08083068
LHDT1	132.3335266	2.816804525	2.944167926	43428.1768	1.020330655	6.826304621	21.96711826	25.00810366	98.05896967	0.410552448
LHDT2	34.05223004	0.795206273	0.831161972	15227.65146	0.314583311	2.393574752	6.772793464	7.710375073	30.16842503	0.143956068
MHDT	134.372997	0.153136119	0.160060255	53731.85923	0.045637182	8.44590001	0.982556017	1.118565232	12.0848196	0.507631963
Total	682.8021706	4.260338924	4.452972545	226791.5197	1.532744278	35.64846864	32.99914411	37.5672906	185.280114	2.14297116
Weighted Average	4.599356311	0.028697649	0.029995229	1527.667972	0.010324567	0.240128131	0.222282278	0.253053318	1.248047089	0.014435057

Max Trucks per Day—HHDT	46.44874894
Max Trucks per Day—LHDT1	53.07974725
Max Trucks per Day—LHDT2	16.93446711
Max Trucks per Day—MHDT	31.99306497
Total	148.4560283

For Weighted Average for Project (5 MPH)

	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX
Weighted Average Using Project Truck Fleet Percentages										
HHDT	13.23591436	0.016131726	0.016861131	3483.633998	0.0069987	0.547578752	0.150680099	0.171537823	2.057152016	0.032911647
LHDT1	2.409776438	0.086080401	0.089972575	1250.004439	0.03709825	0.19648329	0.798703471	0.9092708	3.505579679	0.011817037
LHDT2	2.001173313	0.074035426	0.077382979	1309.048254	0.036611907	0.205764156	0.788232791	0.897350628	3.466785244	0.012375214
MHDT	6.775574725	0.006985116	0.007300952	2380.26517	0.002978496	0.374144538	0.064126192	0.073002789	0.7977449	0.022487565
HHDT	614.791663	0.749298476	0.783178429	161810.441	0.325080875	25.43434798	6.998902085	7.967717258	95.55213754	1.528704814
LHDT1	127.9103243	4.569125946	4.775721546	66349.91968	1.96916571	10.4292834	42.39497835	48.26386425	186.0752833	0.62724535
LHDT2	33.88880365	1.253750485	1.310439519	22168.0346	0.620003126	3.484506331	13.34830228	15.19615469	58.70816069	0.209567648
MHDT	216.7714024	0.223475267	0.233579827	76151.97823	0.095291202	11.9700305	2.051593441	2.335582963	25.5223044	0.719446131
Total	993.3621933	6.795650175	7.10291932	326480.3735	3.009540912	51.31816821	64.79377616	73.76331916	365.857886	3.084963943
Weighted Average	6.691289029	0.045775508	0.047845274	2199.172222	0.020272272	0.345679248	0.436450961	0.496869814	2.464419197	0.020780321

Diesel PM Screening — Prioritization Calculator

Applicability	Use to provide a Prioritization score based on the emission potency method. Entries required in yellow areas, output in grey areas.
Author (Prioritization Calculator)	Matthew Cegielski — *Last Update* October 13, 2016
Date Updated with Project Emissions	May 28, 2022
Facility:	Farmersville Mixed-Use Development Diesel PM Screening Analysis
ID#:	—
Project #:	Truck Run and Idle Emissions
Unit and Process#	Mobile Source Diesel
Operating Hours hr/yr	27,093.00 **(operating hours assumed based on idle hours)**

Receptor Proximity and Proximity Factors		Cancer Score	Chronic Score	Acute Score	Max Score
0< R<100	**1.000**	1.17E+01	5.61E-03	0.00E+00	1.17E+01
100≤R<250	**0.250**	2.92E+00	1.40E-03	0.00E+00	2.92E+00
250≤R<500	**0.040**	4.68E-01	2.24E-04	0.00E+00	4.68E-01
500≤R<1000	**0.011**	1.29E-01	6.17E-05	0.00E+00	1.29E-01
1000≤R<1500	**0.003**	3.51E-02	1.68E-05	0.00E+00	3.51E-02
1500≤R<2000	**0.002**	2.34E-02	1.12E-05	0.00E+00	2.34E-02
2000<R	**0.001**	1.17E-02	5.61E-06	0.00E+00	1.17E-02

Receptor proximity is in meters. Priortization scores are calculated by multiplying the total scores summed below by the proximity factors. Record the Max score for your receptor distance. If the substance list for the unit is longer than the number of rows here or if there are multiple processes use additional worksheets and sum the totals of the Max Scores.

Mobile Source Diesel

Enter the unit's CAS# of the substances emitted and their amounts.

Prioritzation score for each substance generated below. Totals on last row.

Substance	CAS#	Annual Emissions (lbs/yr)	Maximum Hourly (lbs/hr)	Average Hourly (lbs/hr)	Cancer	Chronic	Acute
Diesel engine exhaust, particulate matter (Diesel PM)	**9901**	5.06E+00	1.88E-03	1.87E-04	1.17E+01	5.61E-03	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				0.00E+00	0.00E+00	0.00E+00	0.00E+00
				Totals	**1.17E+01**	**5.61E-03**	**0.00E+00**

Health Risk Assessment

Operational DPM

Camino Castaneda Commercial and Residential Development Project
DPM During Project Operations

Camino Castaneda Commercial and Residential Development Project DPM MER UTM: 302004.18, 4020905.47

X	Y	Operations 2023 Total DPM (ug/m3)	Operations 2025 Total DPM (ug/m3)	Operations 2030 Total DPM (ug/m3)	Operations 2040 Total DPM (ug/m3)	Operations 2050 Total DPM (ug/m3)
302004.18	4020905.47	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02

Camino Castaneda Commercial and Residential Development Project—DPM During Project Operations

70-year Lifetime Cancer Risk—DPM Operations

Camino Castaneda Commercial and Residential Development Project DPM MER UTM: 302004.18, 4020905.47

	Operations 2023	Operations 2023	Operations 2024	Operations 2025	Operations 2026	Operations 2027	Operations 2028	Operations 2029	Operations 2030	Operations 2031	Operations 2032-2038	Operations 2039	Operations 2040	Operations 2041-2052	Operations 2053-2092	Total Years
Age	3rd Trimester	0-<1	1-<2	2-<3	3-<4	4-<5	5-<6	6-<7	7-<8	8-<9	9-<16	16-<17	17-<18	18-<30	30-<31	
DBR (liters/kg-day)	361	1090	1090	861	861	861	861	861	861	861	745	335	335	335	290	
ASF	10	10	10	3	3	3	3	3	3	3	3	1	1	1	1	
TAH	1	1	1	1	1	1	1	1	1	1	1	0.73	0.73	0.73	0.73	
Duration (years)	0.25	1	1	1	1	1	1	1	1	1	7	1	1	12	39.75	70
Frequency (days)	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	
Averaging time (days)	25550	25550	25550	25550	25550	25550	25550	25550	25550	25550	25550	25550	25550	25550	25550	
CPF (milligrans/kg-day)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
Unit Risk Factor $(ug/m^3)^{-1}$	13.60	164.25	164.25	38.92	38.92	38.92	38.92	38.92	38.92	38.92	235.75	3.69	3.69	44.22	126.80	

Maximum DPM Concentration (ug/m3)

X	Y	2023 3rd Trimester	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032-2038	2039	2040	2041-2052	2053-2092
302004.18	4020905.47	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02	1.1250E-02

Camino Castaneda Commercial and Residential Development Project DPM MER UTM: 302004.18, 4020905.47

Annual Risk (risk/million)

X	Y	2023 3rd Trimester	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032-2038	2039	2040	2041-2052	2053-2092	Total
302004.18	4020905.47	0.1530	1.8478	1.8478	0.4379	0.4379	0.4379	0.4379	0.4379	0.4379	0.4379	2.6521	0.0415	0.0415	0.4975	1.4265	11.5727

Camino Castaneda Commercial and Residential Development Project
DPM During Project Operations

70-year Lifetime Cancer Risk—DPM Operations

Camino Castaneda Commercial and Residential Development Project DPM MER UTM: 302004.18, 4020905.47

Cancer Risk at MER from DPM
11.57

Threshold of Significance
20

Exceeds threshold?
No

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)
Unmitigated
Chronic Non-Cancer Hazard Index at the MIR
Camino Castaneda Commercial and Residential Development Project DPM MER UTM: 302004.18, 4020905.47
Reference Exposure Level (REL) for DPM: 5 ug/m3
CNCHI = DPM/REL

X (m)	Y (m)	Maximum Annual Average DPM (ug/m3)	CNCHI
302004.18	4020905.47	0.011250	0.002250

Chronic Non-Cancer Hazard Index
0.002250

Threshold of Significance
1

Exceeds threshold?
No

Camino Castaneda Commercial and Residential Development Project

Concentrations from Total Project-generated DPM Emissions

Maximum
DPM 0.01125

UTM
X Y
302004.18 4020905.47

* AERMOD (21112): G:\0014.010\Op DPM\Op DPM.isc 5/30/2022
* AERMET (18081): 3:27:25 PM
* MODELING OPTIONS USED: Reg DFAULT CONC ELEV FLGPOL URBAN ADJ_U*
* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 4 YEARS FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 1063 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID
302053.07	4021042.30	0.00236	110.34	110.34	1.2	ANNUAL	ALL	4	
302052.89	4021033.16	0.00269	110.34	110.34	1.2	ANNUAL	ALL	4	
302052.98	4021019.75	0.00319	110.34	110.34	1.2	ANNUAL	ALL	4	
302052.81	4021010.62	0.00354	110.34	110.34	1.2	ANNUAL	ALL	4	
302053.56	4020997.33	0.00397	110.34	110.34	1.2	ANNUAL	ALL	4	
302053.39	4020988.19	0.00437	110.34	110.34	1.2	ANNUAL	ALL	4	
302052.79	4020975.88	0.00516	110.34	110.34	1.2	ANNUAL	ALL	4	
302052.61	4020966.74	0.00593	110.34	110.34	1.2	ANNUAL	ALL	4	
302052.79	4020938.77	0.00772	110.26	110.26	1.2	ANNUAL	ALL	4	
302052.61	4020929.63	0.00776	110.17	110.17	1.2	ANNUAL	ALL	4	
302052.79	4020916.93	0.00736	110.06	110.06	1.2	ANNUAL	ALL	4	
302052.61	4020907.79	0.00695	110.06	110.06	1.2	ANNUAL	ALL	4	
302053.76	4020894.50	0.00615	110.07	110.07	1.2	ANNUAL	ALL	4	
302053.58	4020885.37	0.00568	110.07	110.07	1.2	ANNUAL	ALL	4	
302053.76	4020872.47	0.00505	110.05	110.05	1.2	ANNUAL	ALL	4	
302053.58	4020863.33	0.00467	110.04	110.04	1.2	ANNUAL	ALL	4	
302053.95	4020953.63	0.00681	110.34	110.34	1.2	ANNUAL	ALL	4	
301983.02	4020905.47	0.00997	110	110	1.2	ANNUAL	ALL	4	
301991.54	4020905.19	0.01093	110.03	110.03	1.2	ANNUAL	ALL	4	
302004.18	4020905.47	0.01125	110.03	110.03	1.2	ANNUAL	ALL	4	
302012.70	4020905.19	0.01048	110.03	110.03	1.2	ANNUAL	ALL	4	
301985.86	4020865.57	0.00583	109.99	109.99	1.2	ANNUAL	ALL	4	
301994.38	4020865.28	0.00568	110.03	110.03	1.2	ANNUAL	ALL	4	
302008.01	4020865.71	0.0056	110.03	110.03	1.2	ANNUAL	ALL	4	
302016.53	4020865.42	0.00554	110.03	110.03	1.2	ANNUAL	ALL	4	
302268.08	4020737.39	0.00093	110.34	110.34	1.2	ANNUAL	ALL	4	
302283.00	4020772.73	0.0009	110.34	110.34	1.2	ANNUAL	ALL	4	
302297.92	4020808.06	0.00083	110.5	110.5	1.2	ANNUAL	ALL	4	
302095.52	4020559.24	0.00046	110.03	110.03	1.2	ANNUAL	ALL	4	
302131.09	4020573.61	0.00054	110.03	110.03	1.2	ANNUAL	ALL	4	
302166.65	4020587.99	0.00061	110.03	110.03	1.2	ANNUAL	ALL	4	
302288.25	4020666.43	0.00075	110.34	110.34	1.2	ANNUAL	ALL	4	
302303.16	4020701.77	0.00077	110.34	110.34	1.2	ANNUAL	ALL	4	
302318.08	4020737.10	0.00076	110.34	110.34	1.2	ANNUAL	ALL	4	
302333.00	4020772.44	0.00071	110.64	110.64	1.2	ANNUAL	ALL	4	
302347.92	4020807.77	0.00065	110.64	110.64	1.2	ANNUAL	ALL	4	
302059.96	4020544.87	0.00039	109.83	109.83	1.2	ANNUAL	ALL	4	
302021.58	4020545.24	0.00035	109.73	109.73	1.2	ANNUAL	ALL	4	
301983.19	4020545.61	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4	
302095.05	4020509.25	0.00036	110.03	110.03	1.2	ANNUAL	ALL	4	
302130.61	4020523.62	0.00041	110.03	110.03	1.2	ANNUAL	ALL	4	
302166.17	4020537.99	0.00047	110.03	110.03	1.2	ANNUAL	ALL	4	
302201.73	4020552.36	0.00053	110.03	110.03	1.2	ANNUAL	ALL	4	
302237.29	4020566.73	0.00057	110.03	110.03	1.2	ANNUAL	ALL	4	
302272.85	4020581.10	0.0006	110.14	110.14	1.2	ANNUAL	ALL	4	
302323.33	4020630.80	0.00063	110.34	110.34	1.2	ANNUAL	ALL	4	
302338.25	4020666.14	0.00065	110.34	110.34	1.2	ANNUAL	ALL	4	
302353.16	4020701.47	0.00064	110.59	110.59	1.2	ANNUAL	ALL	4	
302368.08	4020736.81	0.00062	110.64	110.64	1.2	ANNUAL	ALL	4	
302383.00	4020772.14	0.00057	110.64	110.64	1.2	ANNUAL	ALL	4	
302059.48	4020494.88	0.00031	109.83	109.83	1.2	ANNUAL	ALL	4	
302021.10	4020495.24	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4	
301982.71	4020495.61	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4	
301944.33	4020495.98	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4	
301905.94	4020496.35	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4	
301867.55	4020496.72	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4	

302094.57	4020459.25	0.00028	110.03	110.03	1.2	ANNUAL	ALL	4
302130.13	4020473.62	0.00033	110.03	110.03	1.2	ANNUAL	ALL	4
302165.69	4020487.99	0.00037	110.03	110.03	1.2	ANNUAL	ALL	4
302201.25	4020502.36	0.00042	110.03	110.03	1.2	ANNUAL	ALL	4
302236.81	4020516.73	0.00046	110.03	110.03	1.2	ANNUAL	ALL	4
302272.37	4020531.10	0.0005	110.03	110.03	1.2	ANNUAL	ALL	4
302307.93	4020545.47	0.00051	110.14	110.14	1.2	ANNUAL	ALL	4
302358.41	4020595.18	0.00054	110.34	110.34	1.2	ANNUAL	ALL	4
302373.33	4020630.51	0.00056	110.34	110.34	1.2	ANNUAL	ALL	4
302388.24	4020665.85	0.00056	110.52	110.52	1.2	ANNUAL	ALL	4
302403.16	4020701.18	0.00054	110.64	110.64	1.2	ANNUAL	ALL	4
302418.08	4020736.52	0.00051	110.64	110.64	1.2	ANNUAL	ALL	4
302433.00	4020771.85	0.00047	110.88	110.88	1.2	ANNUAL	ALL	4
302059.01	4020444.88	0.00025	109.82	109.82	1.2	ANNUAL	ALL	4
302020.62	4020445.25	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
301982.23	4020445.61	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301943.85	4020445.98	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301905.46	4020446.35	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301867.08	4020446.72	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
302093.61	4020359.25	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
302121.64	4020387.56	0.00023	109.91	109.91	1.2	ANNUAL	ALL	4
302164.73	4020387.99	0.00025	110.03	110.03	1.2	ANNUAL	ALL	4
302194.64	4020390.31	0.00026	110.03	110.03	1.2	ANNUAL	ALL	4
302217.77	4020387.36	0.00027	109.91	109.91	1.2	ANNUAL	ALL	4
302271.41	4020431.11	0.00034	110.03	110.03	1.2	ANNUAL	ALL	4
302306.97	4020445.48	0.00037	110.03	110.03	1.2	ANNUAL	ALL	4
302342.53	4020459.85	0.00038	110.03	110.03	1.2	ANNUAL	ALL	4
302378.09	4020474.22	0.00039	110.03	110.03	1.2	ANNUAL	ALL	4
302428.57	4020523.92	0.00041	110.2	110.2	1.2	ANNUAL	ALL	4
302443.49	4020559.26	0.00043	110.34	110.34	1.2	ANNUAL	ALL	4
302458.41	4020594.59	0.00043	110.34	110.34	1.2	ANNUAL	ALL	4
302473.32	4020629.93	0.00042	110.46	110.46	1.2	ANNUAL	ALL	4
302488.24	4020665.26	0.0004	110.64	110.64	1.2	ANNUAL	ALL	4
302503.16	4020700.60	0.00038	110.67	110.67	1.2	ANNUAL	ALL	4
302518.08	4020735.93	0.00036	110.94	110.94	1.2	ANNUAL	ALL	4
302533.00	4020771.26	0.00033	110.98	110.98	1.2	ANNUAL	ALL	4
302058.05	4020344.88	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
302019.66	4020345.25	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301981.27	4020345.62	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
301942.89	4020345.99	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301904.50	4020346.35	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
301866.12	4020346.72	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
302092.65	4020259.26	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
302128.21	4020273.63	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
302163.77	4020288.00	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
302199.33	4020302.37	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
302234.89	4020316.74	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
302270.45	4020331.11	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
302306.01	4020345.48	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4
302341.57	4020359.85	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4
302377.13	4020374.22	0.0003	109.73	109.73	1.2	ANNUAL	ALL	4
302412.70	4020388.59	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4
302448.26	4020402.96	0.00031	109.8	109.8	1.2	ANNUAL	ALL	4
302498.73	4020452.67	0.00033	110.03	110.03	1.2	ANNUAL	ALL	4
302513.65	4020488.00	0.00034	110.17	110.17	1.2	ANNUAL	ALL	4
302528.57	4020523.34	0.00034	110.34	110.34	1.2	ANNUAL	ALL	4
302543.49	4020558.67	0.00034	110.34	110.34	1.2	ANNUAL	ALL	4
302558.41	4020594.01	0.00033	110.4	110.4	1.2	ANNUAL	ALL	4
302573.32	4020629.34	0.00031	110.64	110.64	1.2	ANNUAL	ALL	4
302588.24	4020664.68	0.0003	110.64	110.64	1.2	ANNUAL	ALL	4
302603.16	4020700.01	0.00028	110.87	110.87	1.2	ANNUAL	ALL	4
302618.08	4020735.35	0.00026	111.21	111.21	1.2	ANNUAL	ALL	4
302632.99	4020770.68	0.00024	111.25	111.25	1.2	ANNUAL	ALL	4
302057.09	4020244.89	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
302018.70	4020245.26	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
301980.32	4020245.62	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
301941.93	4020245.99	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4
301903.54	4020246.36	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301865.16	4020246.73	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
302091.69	4020159.26	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
302127.25	4020173.63	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
302162.81	4020188.00	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
302198.37	4020202.37	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4

302233.93	4020216.74	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
302269.49	4020231.12	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
302305.05	4020245.49	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
302340.62	4020259.86	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
302376.18	4020274.23	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
302411.74	4020288.60	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
302447.30	4020302.97	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
302482.86	4020317.34	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
302518.42	4020331.71	0.00026	109.97	109.97	1.2	ANNUAL	ALL	4
302568.90	4020381.41	0.00027	110.04	110.04	1.2	ANNUAL	ALL	4
302583.81	4020416.75	0.00027	110.29	110.29	1.2	ANNUAL	ALL	4
302598.73	4020452.08	0.00028	110.34	110.34	1.2	ANNUAL	ALL	4
302613.65	4020487.42	0.00028	110.34	110.34	1.2	ANNUAL	ALL	4
302628.57	4020522.75	0.00027	110.34	110.34	1.2	ANNUAL	ALL	4
302643.49	4020558.09	0.00026	110.34	110.34	1.2	ANNUAL	ALL	4
302658.40	4020593.42	0.00025	110.34	110.34	1.2	ANNUAL	ALL	4
302673.32	4020628.76	0.00024	110.36	110.36	1.2	ANNUAL	ALL	4
302688.24	4020664.09	0.00023	110.46	110.46	1.2	ANNUAL	ALL	4
302703.16	4020699.43	0.00021	110.41	110.41	1.2	ANNUAL	ALL	4
302718.07	4020734.76	0.0002	110.45	110.45	1.2	ANNUAL	ALL	4
302732.99	4020770.09	0.00019	110.48	110.48	1.2	ANNUAL	ALL	4
302056.13	4020144.89	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4
302017.74	4020145.26	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301979.36	4020145.63	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301940.97	4020146.00	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301902.59	4020146.36	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301864.20	4020146.73	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
302090.73	4020059.27	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
302126.29	4020073.64	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
302161.85	4020088.01	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4
302197.41	4020102.38	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
302232.97	4020116.75	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
302268.54	4020131.12	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
302304.10	4020145.49	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
302339.66	4020159.86	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
302375.22	4020174.23	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
302410.78	4020188.60	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
302446.34	4020202.97	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
302481.90	4020217.34	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
302517.46	4020231.71	0.00021	109.91	109.91	1.2	ANNUAL	ALL	4
302553.02	4020246.08	0.00021	110.03	110.03	1.2	ANNUAL	ALL	4
302588.58	4020260.45	0.00022	110.03	110.03	1.2	ANNUAL	ALL	4
302639.06	4020310.16	0.00022	110.03	110.03	1.2	ANNUAL	ALL	4
302653.98	4020345.49	0.00023	110.03	110.03	1.2	ANNUAL	ALL	4
302668.90	4020380.83	0.00023	109.86	109.86	1.2	ANNUAL	ALL	4
302683.81	4020416.16	0.00023	109.91	109.91	1.2	ANNUAL	ALL	4
302698.73	4020451.50	0.00023	109.51	109.51	1.2	ANNUAL	ALL	4
302713.65	4020486.83	0.00022	109.33	109.33	1.2	ANNUAL	ALL	4
302728.57	4020522.17	0.00022	109.42	109.42	1.2	ANNUAL	ALL	4
302743.48	4020557.50	0.00021	109.92	109.92	1.2	ANNUAL	ALL	4
302758.40	4020592.84	0.0002	110.23	110.23	1.2	ANNUAL	ALL	4
302773.32	4020628.17	0.00019	110.31	110.31	1.2	ANNUAL	ALL	4
302788.24	4020663.51	0.00018	109.85	109.85	1.2	ANNUAL	ALL	4
302803.16	4020698.84	0.00017	109.33	109.33	1.2	ANNUAL	ALL	4
302818.07	4020734.17	0.00016	109.49	109.49	1.2	ANNUAL	ALL	4
302832.99	4020769.51	0.00015	110.03	110.03	1.2	ANNUAL	ALL	4
302055.17	4020044.90	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
302016.78	4020045.26	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301978.40	4020045.63	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301940.01	4020046.00	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301901.63	4020046.37	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301863.24	4020046.74	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301739.20	4020826.55	0.0005	109.73	109.73	1.2	ANNUAL	ALL	4
301746.57	4020808.64	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4
301753.94	4020790.72	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4
301734.07	4020790.40	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4
301741.48	4020772.39	0.00035	109.73	109.73	1.2	ANNUAL	ALL	4
301748.89	4020754.37	0.00033	109.73	109.73	1.2	ANNUAL	ALL	4
301699.29	4020826.34	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4
301706.73	4020808.25	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4
301736.51	4020735.87	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4
301745.28	4020719.08	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4
301647.73	4020831.28	0.00035	109.73	109.73	1.2	ANNUAL	ALL	4

301679.18	4020826.59	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4
301686.53	4020808.72	0.00035	109.73	109.73	1.2	ANNUAL	ALL	4
301691.28	4020780.42	0.0003	109.73	109.73	1.2	ANNUAL	ALL	4
301680.39	4020763.59	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4
301687.74	4020745.72	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301733.26	4020698.34	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301731.25	4020681.96	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
301610.54	4020815.82	0.00028	109.49	109.49	1.2	ANNUAL	ALL	4
301629.26	4020826.40	0.00031	109.71	109.71	1.2	ANNUAL	ALL	4
301644.11	4020790.31	0.00027	109.57	109.57	1.2	ANNUAL	ALL	4
301651.53	4020772.27	0.00025	109.64	109.64	1.2	ANNUAL	ALL	4
301658.95	4020754.23	0.00024	109.72	109.72	1.2	ANNUAL	ALL	4
301666.38	4020736.18	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301673.80	4020718.14	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4
301681.23	4020700.09	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301688.65	4020682.05	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301700.03	4020667.92	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301729.47	4020662.41	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301730.24	4020644.39	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301579.23	4020826.49	0.00027	109.42	109.42	1.2	ANNUAL	ALL	4
301586.62	4020808.52	0.00025	109.42	109.42	1.2	ANNUAL	ALL	4
301594.01	4020790.55	0.00023	109.42	109.42	1.2	ANNUAL	ALL	4
301601.40	4020772.59	0.00022	109.42	109.42	1.2	ANNUAL	ALL	4
301608.79	4020754.62	0.00021	109.46	109.46	1.2	ANNUAL	ALL	4
301616.18	4020736.65	0.0002	109.59	109.59	1.2	ANNUAL	ALL	4
301623.58	4020718.68	0.00019	109.66	109.66	1.2	ANNUAL	ALL	4
301630.97	4020700.72	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301638.36	4020682.75	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
301645.75	4020664.78	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301653.14	4020646.82	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301666.71	4020631.81	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301684.61	4020624.24	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301702.50	4020616.68	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301720.40	4020609.11	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301738.29	4020601.55	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301529.28	4020826.36	0.00023	109.42	109.42	1.2	ANNUAL	ALL	4
301536.71	4020808.29	0.00022	109.42	109.42	1.2	ANNUAL	ALL	4
301544.15	4020790.21	0.0002	109.42	109.42	1.2	ANNUAL	ALL	4
301551.59	4020772.13	0.00019	109.42	109.42	1.2	ANNUAL	ALL	4
301559.02	4020754.06	0.00018	109.42	109.42	1.2	ANNUAL	ALL	4
301566.46	4020735.98	0.00017	109.42	109.42	1.2	ANNUAL	ALL	4
301573.90	4020717.90	0.00016	109.42	109.42	1.2	ANNUAL	ALL	4
301581.34	4020699.82	0.00016	109.45	109.45	1.2	ANNUAL	ALL	4
301588.77	4020681.75	0.00015	109.59	109.59	1.2	ANNUAL	ALL	4
301596.21	4020663.67	0.00014	109.71	109.71	1.2	ANNUAL	ALL	4
301603.65	4020645.59	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
301611.08	4020627.52	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301618.52	4020609.44	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301631.24	4020596.60	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301649.25	4020588.99	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301667.25	4020581.38	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301685.26	4020573.77	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301703.26	4020566.16	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301721.27	4020558.55	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
301739.27	4020550.94	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
301471.84	4020844.45	0.00022	109.42	109.42	1.2	ANNUAL	ALL	4
301479.25	4020826.43	0.0002	109.42	109.42	1.2	ANNUAL	ALL	4
301486.66	4020808.42	0.00019	109.42	109.42	1.2	ANNUAL	ALL	4
301494.07	4020790.40	0.00018	109.42	109.42	1.2	ANNUAL	ALL	4
301501.48	4020772.39	0.00017	109.42	109.42	1.2	ANNUAL	ALL	4
301508.89	4020754.37	0.00016	109.42	109.42	1.2	ANNUAL	ALL	4
301516.31	4020736.36	0.00015	109.42	109.42	1.2	ANNUAL	ALL	4
301523.72	4020718.34	0.00015	109.42	109.42	1.2	ANNUAL	ALL	4
301531.13	4020700.33	0.00014	109.42	109.42	1.2	ANNUAL	ALL	4
301538.54	4020682.31	0.00013	109.42	109.42	1.2	ANNUAL	ALL	4
301545.95	4020664.30	0.00013	109.56	109.56	1.2	ANNUAL	ALL	4
301553.36	4020646.28	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
301560.77	4020628.27	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
301568.19	4020610.25	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
301575.60	4020592.24	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
301583.01	4020574.22	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
301597.93	4020560.48	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
301615.87	4020552.89	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4

301633.82	4020545.31	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
301651.76	4020537.72	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
301669.70	4020530.14	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
301687.64	4020522.56	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
301705.59	4020514.97	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
301723.53	4020507.39	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
301741.47	4020499.81	0.00012	109.73	109.73	1.2	ANNUAL	ALL	4
301759.42	4020492.22	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301777.36	4020484.64	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301795.30	4020477.05	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301813.25	4020469.47	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
301831.19	4020461.89	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
301371.84	4020844.44	0.00017	109.42	109.42	1.2	ANNUAL	ALL	4
301379.26	4020826.40	0.00016	109.42	109.42	1.2	ANNUAL	ALL	4
301386.68	4020808.36	0.00015	109.42	109.42	1.2	ANNUAL	ALL	4
301394.11	4020790.31	0.00014	109.42	109.42	1.2	ANNUAL	ALL	4
301401.53	4020772.27	0.00014	109.42	109.42	1.2	ANNUAL	ALL	4
301408.95	4020754.23	0.00013	109.42	109.42	1.2	ANNUAL	ALL	4
301416.38	4020736.18	0.00012	109.42	109.42	1.2	ANNUAL	ALL	4
301423.80	4020718.14	0.00012	109.42	109.42	1.2	ANNUAL	ALL	4
301431.23	4020700.09	0.00011	109.42	109.42	1.2	ANNUAL	ALL	4
301438.65	4020682.05	0.00011	109.42	109.42	1.2	ANNUAL	ALL	4
301446.07	4020664.01	0.00011	109.42	109.42	1.2	ANNUAL	ALL	4
301453.50	4020645.96	0.0001	109.43	109.43	1.2	ANNUAL	ALL	4
301460.92	4020627.92	0.0001	109.5	109.5	1.2	ANNUAL	ALL	4
301468.34	4020609.87	0.0001	109.64	109.64	1.2	ANNUAL	ALL	4
301475.77	4020591.83	0.00009	109.72	109.72	1.2	ANNUAL	ALL	4
301483.19	4020573.79	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301490.61	4020555.74	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301498.04	4020537.70	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301505.46	4020519.66	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301512.88	4020501.61	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301526.90	4020490.10	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301544.87	4020482.50	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301562.84	4020474.91	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301580.81	4020467.31	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301598.79	4020459.71	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301616.76	4020452.12	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301634.73	4020444.52	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301652.70	4020436.93	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301670.67	4020429.33	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301688.64	4020421.73	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301706.62	4020414.14	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301724.59	4020406.54	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301742.56	4020398.95	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4
301760.53	4020391.35	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4
301778.50	4020383.75	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4
301796.48	4020376.16	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4
301814.45	4020368.56	0.0001	109.73	109.73	1.2	ANNUAL	ALL	4
301832.42	4020360.97	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
301271.84	4020844.44	0.00014	109.12	109.12	1.2	ANNUAL	ALL	4
301279.27	4020826.38	0.00013	109.12	109.12	1.2	ANNUAL	ALL	4
301286.70	4020808.32	0.00013	109.12	109.12	1.2	ANNUAL	ALL	4
301294.13	4020790.25	0.00012	109.12	109.12	1.2	ANNUAL	ALL	4
301301.56	4020772.19	0.00011	109.12	109.12	1.2	ANNUAL	ALL	4
301309.00	4020754.13	0.00011	109.16	109.16	1.2	ANNUAL	ALL	4
301316.43	4020736.06	0.0001	109.29	109.29	1.2	ANNUAL	ALL	4
301323.86	4020718.00	0.0001	109.36	109.36	1.2	ANNUAL	ALL	4
301331.29	4020699.94	0.0001	109.42	109.42	1.2	ANNUAL	ALL	4
301338.72	4020681.87	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4
301346.15	4020663.81	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4
301353.58	4020645.75	0.00009	109.42	109.42	1.2	ANNUAL	ALL	4
301361.01	4020627.68	0.00008	109.42	109.42	1.2	ANNUAL	ALL	4
301368.45	4020609.62	0.00008	109.45	109.45	1.2	ANNUAL	ALL	4
301375.88	4020591.56	0.00008	109.56	109.56	1.2	ANNUAL	ALL	4
301383.31	4020573.50	0.00008	109.69	109.69	1.2	ANNUAL	ALL	4
301390.74	4020555.43	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301398.17	4020537.37	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301405.60	4020519.31	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301413.03	4020501.24	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301420.47	4020483.18	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301427.90	4020465.12	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301435.33	4020447.05	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4

301442.76	4020428.99	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301458.11	4020418.77	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301476.10	4020411.17	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301494.09	4020403.56	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301512.08	4020395.96	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301530.07	4020388.35	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301548.07	4020380.75	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301566.06	4020373.15	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301584.05	4020365.54	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301602.04	4020357.94	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301620.03	4020350.33	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301638.02	4020342.73	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301656.01	4020335.13	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301674.00	4020327.52	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301691.99	4020319.92	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301709.99	4020312.31	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301727.98	4020304.71	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301745.97	4020297.11	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301763.96	4020289.50	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301781.95	4020281.90	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301799.94	4020274.29	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301817.93	4020266.69	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301171.84	4020844.44	0.00012	109.12	109.12	1.2	ANNUAL	ALL	4
301179.28	4020826.36	0.00011	109.12	109.12	1.2	ANNUAL	ALL	4
301186.71	4020808.29	0.00011	109.12	109.12	1.2	ANNUAL	ALL	4
301194.15	4020790.21	0.0001	109.12	109.12	1.2	ANNUAL	ALL	4
301201.59	4020772.13	0.0001	109.12	109.12	1.2	ANNUAL	ALL	4
301209.02	4020754.06	0.00009	109.12	109.12	1.2	ANNUAL	ALL	4
301216.46	4020735.98	0.00009	109.12	109.12	1.2	ANNUAL	ALL	4
301223.90	4020717.90	0.00009	109.12	109.12	1.2	ANNUAL	ALL	4
301231.34	4020699.82	0.00008	109.12	109.12	1.2	ANNUAL	ALL	4
301238.77	4020681.75	0.00008	109.12	109.12	1.2	ANNUAL	ALL	4
301246.21	4020663.67	0.00008	109.12	109.12	1.2	ANNUAL	ALL	4
301253.65	4020645.59	0.00007	109.12	109.12	1.2	ANNUAL	ALL	4
301261.08	4020627.52	0.00007	109.12	109.12	1.2	ANNUAL	ALL	4
301268.52	4020609.44	0.00007	109.2	109.2	1.2	ANNUAL	ALL	4
301275.96	4020591.36	0.00007	109.39	109.39	1.2	ANNUAL	ALL	4
301283.39	4020573.29	0.00007	109.42	109.42	1.2	ANNUAL	ALL	4
301290.83	4020555.21	0.00006	109.42	109.42	1.2	ANNUAL	ALL	4
301298.27	4020537.13	0.00006	109.42	109.42	1.2	ANNUAL	ALL	4
301305.71	4020519.06	0.00006	109.44	109.44	1.2	ANNUAL	ALL	4
301313.14	4020500.98	0.00006	109.54	109.54	1.2	ANNUAL	ALL	4
301320.58	4020482.90	0.00006	109.63	109.63	1.2	ANNUAL	ALL	4
301328.02	4020464.82	0.00006	109.71	109.71	1.2	ANNUAL	ALL	4
301335.45	4020446.75	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301342.89	4020428.67	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301350.33	4020410.59	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301357.76	4020392.52	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301365.20	4020374.44	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301372.64	4020356.36	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301389.32	4020347.44	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301407.33	4020339.83	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301425.33	4020332.22	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301443.34	4020324.61	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301461.34	4020317.00	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301479.35	4020309.39	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301497.35	4020301.79	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301515.36	4020294.18	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301533.36	4020286.57	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301551.37	4020278.96	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301569.37	4020271.35	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301587.38	4020263.74	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301605.38	4020256.13	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301623.39	4020248.52	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301641.39	4020240.91	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301659.39	4020233.30	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301677.40	4020225.69	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301695.40	4020218.08	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301713.41	4020210.47	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301731.41	4020202.86	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301749.42	4020195.25	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301767.42	4020187.64	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301785.43	4020180.03	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4

301803.43	4020172.42	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301821.44	4020164.81	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
301071.84	4020844.44	0.0001	109.12	109.12	1.2	ANNUAL	ALL	4
301079.28	4020826.35	0.0001	109.12	109.12	1.2	ANNUAL	ALL	4
301086.72	4020808.26	0.00009	109.12	109.12	1.2	ANNUAL	ALL	4
301094.16	4020790.18	0.00009	109.12	109.12	1.2	ANNUAL	ALL	4
301101.61	4020772.09	0.00008	109.12	109.12	1.2	ANNUAL	ALL	4
301109.05	4020754.00	0.00008	109.12	109.12	1.2	ANNUAL	ALL	4
301116.49	4020735.92	0.00008	109.12	109.12	1.2	ANNUAL	ALL	4
301123.93	4020717.83	0.00008	109.12	109.12	1.2	ANNUAL	ALL	4
301131.37	4020699.74	0.00007	109.12	109.12	1.2	ANNUAL	ALL	4
301138.81	4020681.65	0.00007	109.12	109.12	1.2	ANNUAL	ALL	4
301146.25	4020663.57	0.00007	109.12	109.12	1.2	ANNUAL	ALL	4
301153.69	4020645.48	0.00006	109.12	109.12	1.2	ANNUAL	ALL	4
301161.14	4020627.39	0.00006	109.12	109.12	1.2	ANNUAL	ALL	4
301168.58	4020609.30	0.00006	109.12	109.12	1.2	ANNUAL	ALL	4
301176.02	4020591.22	0.00006	109.12	109.12	1.2	ANNUAL	ALL	4
301183.46	4020573.13	0.00006	109.12	109.12	1.2	ANNUAL	ALL	4
301190.90	4020555.04	0.00006	109.12	109.12	1.2	ANNUAL	ALL	4
301198.34	4020536.95	0.00005	109.12	109.12	1.2	ANNUAL	ALL	4
301205.78	4020518.87	0.00005	109.12	109.12	1.2	ANNUAL	ALL	4
301213.22	4020500.78	0.00005	109.12	109.12	1.2	ANNUAL	ALL	4
301220.67	4020482.69	0.00005	109.17	109.17	1.2	ANNUAL	ALL	4
301228.11	4020464.61	0.00005	109.3	109.3	1.2	ANNUAL	ALL	4
301235.55	4020446.52	0.00005	109.38	109.38	1.2	ANNUAL	ALL	4
301242.99	4020428.43	0.00005	109.42	109.42	1.2	ANNUAL	ALL	4
301250.43	4020410.34	0.00005	109.42	109.42	1.2	ANNUAL	ALL	4
301257.87	4020392.26	0.00005	109.42	109.42	1.2	ANNUAL	ALL	4
301265.31	4020374.17	0.00005	109.42	109.42	1.2	ANNUAL	ALL	4
301272.75	4020356.08	0.00005	109.42	109.42	1.2	ANNUAL	ALL	4
301280.20	4020337.99	0.00004	109.42	109.42	1.2	ANNUAL	ALL	4
301287.64	4020319.91	0.00004	109.42	109.42	1.2	ANNUAL	ALL	4
301295.08	4020301.82	0.00004	109.42	109.42	1.2	ANNUAL	ALL	4
301304.77	4020282.78	0.00004	109.46	109.46	1.2	ANNUAL	ALL	4
301322.79	4020275.17	0.00004	109.56	109.56	1.2	ANNUAL	ALL	4
301340.80	4020267.55	0.00004	109.6	109.6	1.2	ANNUAL	ALL	4
301358.82	4020259.94	0.00004	109.72	109.72	1.2	ANNUAL	ALL	4
301376.83	4020252.32	0.00004	109.7	109.7	1.2	ANNUAL	ALL	4
301394.85	4020244.71	0.00004	109.73	109.73	1.2	ANNUAL	ALL	4
301412.86	4020237.09	0.00004	109.73	109.73	1.2	ANNUAL	ALL	4
301430.88	4020229.48	0.00004	109.73	109.73	1.2	ANNUAL	ALL	4
301448.89	4020221.87	0.00004	109.73	109.73	1.2	ANNUAL	ALL	4
301466.91	4020214.25	0.00004	109.73	109.73	1.2	ANNUAL	ALL	4
301484.92	4020206.64	0.00004	109.73	109.73	1.2	ANNUAL	ALL	4
301502.94	4020199.02	0.00004	109.73	109.73	1.2	ANNUAL	ALL	4
301520.95	4020191.41	0.00004	109.73	109.73	1.2	ANNUAL	ALL	4
301538.97	4020183.79	0.00004	109.73	109.73	1.2	ANNUAL	ALL	4
301556.98	4020176.18	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301575.00	4020168.57	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301593.01	4020160.95	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301611.03	4020153.34	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301629.04	4020145.72	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301647.06	4020138.11	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301665.07	4020130.49	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301683.09	4020122.88	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301701.10	4020115.27	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301719.12	4020107.65	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301737.13	4020100.04	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301755.15	4020092.42	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301773.17	4020084.81	0.00005	109.73	109.73	1.2	ANNUAL	ALL	4
301791.18	4020077.19	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301809.20	4020069.58	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
301691.44	4020885.98	0.0006	109.73	109.73	1.2	ANNUAL	ALL	4
301691.95	4020920.12	0.00077	109.73	109.73	1.2	ANNUAL	ALL	4
301685.69	4020944.87	0.00086	109.73	109.73	1.2	ANNUAL	ALL	4
301709.66	4020968.06	0.00115	109.73	109.73	1.2	ANNUAL	ALL	4
301693.49	4021022.52	0.00131	109.73	109.73	1.2	ANNUAL	ALL	4
301694.00	4021056.66	0.00141	109.73	109.73	1.2	ANNUAL	ALL	4
301671.44	4020886.28	0.00054	109.73	109.73	1.2	ANNUAL	ALL	4
301671.96	4020920.42	0.00068	109.73	109.73	1.2	ANNUAL	ALL	4
301665.69	4020945.17	0.00077	109.73	109.73	1.2	ANNUAL	ALL	4
301689.66	4020968.36	0.00101	109.73	109.73	1.2	ANNUAL	ALL	4
301673.49	4021022.82	0.00114	109.73	109.73	1.2	ANNUAL	ALL	4

301674.00	4021056.96	0.00124	109.73	109.73	1.2	ANNUAL	ALL	4
301621.45	4020887.03	0.00044	109.73	109.73	1.2	ANNUAL	ALL	4
301621.96	4020921.17	0.00054	109.73	109.73	1.2	ANNUAL	ALL	4
301622.47	4020955.30	0.00064	109.73	109.73	1.2	ANNUAL	ALL	4
301622.98	4020989.44	0.00075	109.73	109.73	1.2	ANNUAL	ALL	4
301623.50	4021023.57	0.00084	109.73	109.73	1.2	ANNUAL	ALL	4
301624.01	4021057.71	0.00092	109.73	109.73	1.2	ANNUAL	ALL	4
301571.46	4020887.78	0.00036	109.44	109.44	1.2	ANNUAL	ALL	4
301571.97	4020921.92	0.00043	109.73	109.73	1.2	ANNUAL	ALL	4
301572.48	4020956.05	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4
301572.99	4020990.19	0.00058	109.73	109.73	1.2	ANNUAL	ALL	4
301573.50	4021024.32	0.00065	109.73	109.73	1.2	ANNUAL	ALL	4
301574.01	4021058.46	0.00071	109.73	109.73	1.2	ANNUAL	ALL	4
301521.46	4020888.53	0.00031	109.42	109.42	1.2	ANNUAL	ALL	4
301521.97	4020922.67	0.00036	109.44	109.44	1.2	ANNUAL	ALL	4
301522.48	4020956.80	0.00042	109.55	109.55	1.2	ANNUAL	ALL	4
301523.00	4020990.94	0.00047	109.63	109.63	1.2	ANNUAL	ALL	4
301523.51	4021025.07	0.00052	109.73	109.73	1.2	ANNUAL	ALL	4
301524.02	4021059.21	0.00056	109.73	109.73	1.2	ANNUAL	ALL	4
301471.47	4020889.28	0.00026	109.42	109.42	1.2	ANNUAL	ALL	4
301471.98	4020923.42	0.00031	109.42	109.42	1.2	ANNUAL	ALL	4
301472.49	4020957.55	0.00035	109.42	109.42	1.2	ANNUAL	ALL	4
301473.00	4020991.69	0.00039	109.42	109.42	1.2	ANNUAL	ALL	4
301473.51	4021025.82	0.00043	109.42	109.42	1.2	ANNUAL	ALL	4
301474.02	4021059.96	0.00046	109.6	109.6	1.2	ANNUAL	ALL	4
301371.48	4020890.78	0.0002	109.42	109.42	1.2	ANNUAL	ALL	4
301371.99	4020924.91	0.00023	109.42	109.42	1.2	ANNUAL	ALL	4
301372.50	4020959.05	0.00026	109.42	109.42	1.2	ANNUAL	ALL	4
301373.01	4020993.18	0.00028	109.42	109.42	1.2	ANNUAL	ALL	4
301373.52	4021027.32	0.0003	109.42	109.42	1.2	ANNUAL	ALL	4
301374.04	4021061.45	0.00032	109.42	109.42	1.2	ANNUAL	ALL	4
301271.49	4020892.28	0.00016	109.12	109.12	1.2	ANNUAL	ALL	4
301272.00	4020926.41	0.00018	109.12	109.12	1.2	ANNUAL	ALL	4
301272.51	4020960.55	0.0002	109.12	109.12	1.2	ANNUAL	ALL	4
301273.02	4020994.68	0.00021	109.12	109.12	1.2	ANNUAL	ALL	4
301273.54	4021028.82	0.00023	109.14	109.14	1.2	ANNUAL	ALL	4
301274.05	4021062.95	0.00024	109.16	109.16	1.2	ANNUAL	ALL	4
301171.50	4020893.78	0.00013	109.12	109.12	1.2	ANNUAL	ALL	4
301172.01	4020927.91	0.00015	109.12	109.12	1.2	ANNUAL	ALL	4
301172.52	4020962.05	0.00016	109.12	109.12	1.2	ANNUAL	ALL	4
301173.04	4020996.18	0.00017	109.12	109.12	1.2	ANNUAL	ALL	4
301173.55	4021030.32	0.00018	109.12	109.12	1.2	ANNUAL	ALL	4
301174.06	4021064.45	0.00019	109.12	109.12	1.2	ANNUAL	ALL	4
301071.51	4020895.28	0.00011	108.93	108.93	1.2	ANNUAL	ALL	4
301072.02	4020929.41	0.00012	108.94	108.94	1.2	ANNUAL	ALL	4
301072.53	4020963.55	0.00013	108.94	108.94	1.2	ANNUAL	ALL	4
301073.05	4020997.68	0.00014	108.95	108.95	1.2	ANNUAL	ALL	4
301073.56	4021031.82	0.00015	108.95	108.95	1.2	ANNUAL	ALL	4
301074.07	4021065.95	0.00015	109.11	109.11	1.2	ANNUAL	ALL	4
301697.15	4021135.67	0.00134	109.86	109.86	1.2	ANNUAL	ALL	4
301695.74	4021102.31	0.00142	109.74	109.74	1.2	ANNUAL	ALL	4
301912.65	4021253.83	0.00124	110.07	110.07	1.2	ANNUAL	ALL	4
301950.66	4021253.71	0.00091	110.03	110.03	1.2	ANNUAL	ALL	4
301988.68	4021253.59	0.00073	110.27	110.27	1.2	ANNUAL	ALL	4
302026.70	4021253.46	0.00061	110.28	110.28	1.2	ANNUAL	ALL	4
302064.71	4021253.34	0.00052	110.31	110.31	1.2	ANNUAL	ALL	4
301679.69	4021194.29	0.00101	110.03	110.03	1.2	ANNUAL	ALL	4
301673.59	4021143.20	0.00117	109.8	109.8	1.2	ANNUAL	ALL	4
301653.93	4021127.56	0.0011	109.73	109.73	1.2	ANNUAL	ALL	4
301638.97	4021092.63	0.00103	109.73	109.73	1.2	ANNUAL	ALL	4
301894.97	4021287.31	0.00144	110.34	110.34	1.2	ANNUAL	ALL	4
301912.81	4021303.83	0.00109	110.21	110.21	1.2	ANNUAL	ALL	4
301952.43	4021293.14	0.00078	110.03	110.03	1.2	ANNUAL	ALL	4
301988.84	4021303.59	0.0006	110.03	110.03	1.2	ANNUAL	ALL	4
302026.86	4021303.46	0.00049	110.03	110.03	1.2	ANNUAL	ALL	4
302064.88	4021303.34	0.00042	110.06	110.06	1.2	ANNUAL	ALL	4
301696.38	4021270.35	0.00077	110.08	110.08	1.2	ANNUAL	ALL	4
301648.83	4021233.09	0.0008	109.98	109.98	1.2	ANNUAL	ALL	4
301633.87	4021198.16	0.00086	109.77	109.77	1.2	ANNUAL	ALL	4
301618.90	4021163.24	0.00089	109.73	109.73	1.2	ANNUAL	ALL	4
301603.94	4021128.31	0.00087	109.73	109.73	1.2	ANNUAL	ALL	4
301588.98	4021093.38	0.0008	109.73	109.73	1.2	ANNUAL	ALL	4
301912.97	4021353.83	0.00098	110.27	110.27	1.2	ANNUAL	ALL	4

301950.99	4021353.71	0.00064	110.08	110.08	1.2	ANNUAL	ALL	4
301989.01	4021353.59	0.00048	110.03	110.03	1.2	ANNUAL	ALL	4
302027.02	4021353.46	0.00039	110.03	110.03	1.2	ANNUAL	ALL	4
302065.04	4021353.34	0.00034	110.03	110.03	1.2	ANNUAL	ALL	4
301700.19	4021305.76	0.00067	110.14	110.14	1.2	ANNUAL	ALL	4
301663.96	4021308.64	0.00063	110.03	110.03	1.2	ANNUAL	ALL	4
301613.80	4021268.77	0.00065	109.87	109.87	1.2	ANNUAL	ALL	4
301598.83	4021233.84	0.0007	109.73	109.73	1.2	ANNUAL	ALL	4
301583.87	4021198.91	0.00073	109.73	109.73	1.2	ANNUAL	ALL	4
301568.91	4021163.99	0.00073	109.73	109.73	1.2	ANNUAL	ALL	4
301553.95	4021129.06	0.00069	109.73	109.73	1.2	ANNUAL	ALL	4
301538.98	4021094.13	0.00063	109.73	109.73	1.2	ANNUAL	ALL	4
301913.14	4021403.83	0.00083	110.17	110.17	1.2	ANNUAL	ALL	4
301951.15	4021403.71	0.0005	110.03	110.03	1.2	ANNUAL	ALL	4
301989.17	4021403.59	0.00037	110.03	110.03	1.2	ANNUAL	ALL	4
302027.19	4021403.46	0.00031	110.03	110.03	1.2	ANNUAL	ALL	4
302065.20	4021403.34	0.00027	110.03	110.03	1.2	ANNUAL	ALL	4
301699.31	4021382.34	0.0005	109.88	109.88	1.2	ANNUAL	ALL	4
301664.12	4021368.02	0.00051	109.77	109.77	1.2	ANNUAL	ALL	4
301628.92	4021353.70	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4
301578.77	4021304.44	0.00054	109.73	109.73	1.2	ANNUAL	ALL	4
301563.80	4021269.52	0.00058	109.73	109.73	1.2	ANNUAL	ALL	4
301548.84	4021234.59	0.00061	109.73	109.73	1.2	ANNUAL	ALL	4
301533.88	4021199.66	0.00062	109.73	109.73	1.2	ANNUAL	ALL	4
301518.91	4021164.74	0.0006	109.73	109.73	1.2	ANNUAL	ALL	4
301503.95	4021129.81	0.00057	109.73	109.73	1.2	ANNUAL	ALL	4
301488.99	4021094.88	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4
301913.30	4021453.83	0.00047	110.03	110.03	1.2	ANNUAL	ALL	4
301951.32	4021453.71	0.00033	110.03	110.03	1.2	ANNUAL	ALL	4
301989.33	4021453.59	0.00028	110.03	110.03	1.2	ANNUAL	ALL	4
302027.35	4021453.46	0.00024	110.03	110.03	1.2	ANNUAL	ALL	4
302065.36	4021453.34	0.00022	110.03	110.03	1.2	ANNUAL	ALL	4
301840.42	4021539.63	0.00025	108.6	108.6	1.2	ANNUAL	ALL	4
301805.22	4021525.31	0.00029	108.22	108.22	1.2	ANNUAL	ALL	4
301699.64	4021482.34	0.00034	108.29	108.29	1.2	ANNUAL	ALL	4
301664.44	4021468.02	0.00035	108.46	108.46	1.2	ANNUAL	ALL	4
301629.25	4021453.69	0.00037	108.85	108.85	1.2	ANNUAL	ALL	4
301594.06	4021439.37	0.00037	108.85	108.85	1.2	ANNUAL	ALL	4
301558.86	4021425.05	0.00037	108.87	108.87	1.2	ANNUAL	ALL	4
301508.70	4021375.80	0.0004	109.63	109.63	1.2	ANNUAL	ALL	4
301493.74	4021340.87	0.00042	109.71	109.71	1.2	ANNUAL	ALL	4
301478.78	4021305.94	0.00044	109.73	109.73	1.2	ANNUAL	ALL	4
301463.81	4021271.02	0.00046	109.73	109.73	1.2	ANNUAL	ALL	4
301448.85	4021236.09	0.00046	109.73	109.73	1.2	ANNUAL	ALL	4
301433.89	4021201.16	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4
301418.93	4021166.24	0.00043	109.72	109.72	1.2	ANNUAL	ALL	4
301403.96	4021131.31	0.00039	109.44	109.44	1.2	ANNUAL	ALL	4
301389.00	4021096.38	0.00036	109.42	109.42	1.2	ANNUAL	ALL	4
301913.63	4021553.83	0.00021	109.17	109.17	1.2	ANNUAL	ALL	4
301951.64	4021553.71	0.00019	109.52	109.52	1.2	ANNUAL	ALL	4
301989.66	4021553.59	0.00018	109.67	109.67	1.2	ANNUAL	ALL	4
302027.67	4021553.46	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
302065.69	4021553.34	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301840.74	4021639.63	0.00015	108.52	108.52	1.2	ANNUAL	ALL	4
301805.55	4021625.31	0.00017	108.73	108.73	1.2	ANNUAL	ALL	4
301770.35	4021610.99	0.00018	108.94	108.94	1.2	ANNUAL	ALL	4
301735.16	4021596.66	0.0002	109.16	109.16	1.2	ANNUAL	ALL	4
301699.97	4021582.34	0.00022	109.2	109.2	1.2	ANNUAL	ALL	4
301664.77	4021568.02	0.00024	109.18	109.18	1.2	ANNUAL	ALL	4
301629.58	4021553.69	0.00026	109.24	109.24	1.2	ANNUAL	ALL	4
301594.38	4021539.37	0.00027	109.35	109.35	1.2	ANNUAL	ALL	4
301559.19	4021525.05	0.00028	109.43	109.43	1.2	ANNUAL	ALL	4
301523.99	4021510.72	0.00029	109.4	109.4	1.2	ANNUAL	ALL	4
301488.80	4021496.40	0.00029	108.4	108.4	1.2	ANNUAL	ALL	4
301438.64	4021447.15	0.0003	108.87	108.87	1.2	ANNUAL	ALL	4
301423.68	4021412.22	0.00032	109.26	109.26	1.2	ANNUAL	ALL	4
301408.72	4021377.30	0.00034	109.42	109.42	1.2	ANNUAL	ALL	4
301393.75	4021342.37	0.00035	109.42	109.42	1.2	ANNUAL	ALL	4
301378.79	4021307.44	0.00036	109.43	109.43	1.2	ANNUAL	ALL	4
301363.83	4021272.52	0.00036	109.46	109.46	1.2	ANNUAL	ALL	4
301348.86	4021237.59	0.00035	109.42	109.42	1.2	ANNUAL	ALL	4
301333.90	4021202.66	0.00033	109.42	109.42	1.2	ANNUAL	ALL	4
301318.94	4021167.73	0.00031	109.42	109.42	1.2	ANNUAL	ALL	4

301303.97	4021132.81	0.00029	109.42	109.42	1.2	ANNUAL	ALL	4
301289.01	4021097.88	0.00026	109.31	109.31	1.2	ANNUAL	ALL	4
301913.95	4021653.83	0.00014	108.2	108.2	1.2	ANNUAL	ALL	4
301951.97	4021653.71	0.00013	108.32	108.32	1.2	ANNUAL	ALL	4
301989.99	4021653.58	0.00013	108.36	108.36	1.2	ANNUAL	ALL	4
302028.00	4021653.46	0.00012	108.36	108.36	1.2	ANNUAL	ALL	4
302066.02	4021653.34	0.00012	108.36	108.36	1.2	ANNUAL	ALL	4
301841.07	4021739.63	0.00011	109.23	109.23	1.2	ANNUAL	ALL	4
301805.87	4021725.31	0.00012	109.46	109.46	1.2	ANNUAL	ALL	4
301770.68	4021710.99	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301735.49	4021696.66	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
301700.29	4021682.34	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301665.10	4021668.02	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301629.90	4021653.69	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
301594.71	4021639.37	0.00019	109.78	109.78	1.2	ANNUAL	ALL	4
301559.51	4021625.05	0.0002	109.9	109.9	1.2	ANNUAL	ALL	4
301524.32	4021610.72	0.00021	109.76	109.76	1.2	ANNUAL	ALL	4
301489.13	4021596.40	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
301453.93	4021582.08	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301418.74	4021567.75	0.00023	109.72	109.72	1.2	ANNUAL	ALL	4
301368.58	4021518.50	0.00024	108.64	108.64	1.2	ANNUAL	ALL	4
301353.62	4021483.58	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301338.65	4021448.65	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4
301323.69	4021413.72	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4
301308.73	4021378.80	0.00029	109.73	109.73	1.2	ANNUAL	ALL	4
301293.76	4021343.87	0.00029	109.73	109.73	1.2	ANNUAL	ALL	4
301278.80	4021308.94	0.00029	109.73	109.73	1.2	ANNUAL	ALL	4
301263.84	4021274.01	0.00028	109.42	109.42	1.2	ANNUAL	ALL	4
301248.87	4021239.09	0.00027	109.42	109.42	1.2	ANNUAL	ALL	4
301233.91	4021204.16	0.00026	109.4	109.4	1.2	ANNUAL	ALL	4
301218.95	4021169.23	0.00024	109.15	109.15	1.2	ANNUAL	ALL	4
301203.98	4021134.31	0.00022	109.12	109.12	1.2	ANNUAL	ALL	4
301189.02	4021099.38	0.0002	109.12	109.12	1.2	ANNUAL	ALL	4
301876.26	4021753.96	0.0001	109.11	109.11	1.2	ANNUAL	ALL	4
301914.28	4021753.83	0.0001	109.08	109.08	1.2	ANNUAL	ALL	4
301952.30	4021753.71	0.0001	109.08	109.08	1.2	ANNUAL	ALL	4
301990.31	4021753.58	0.0001	109.08	109.08	1.2	ANNUAL	ALL	4
302028.33	4021753.46	0.00009	109.07	109.07	1.2	ANNUAL	ALL	4
302066.34	4021753.34	0.00009	109.07	109.07	1.2	ANNUAL	ALL	4
301841.40	4021839.63	0.00009	109.73	109.73	1.2	ANNUAL	ALL	4
301806.20	4021825.31	0.00009	109.74	109.74	1.2	ANNUAL	ALL	4
301771.01	4021810.99	0.0001	109.8	109.8	1.2	ANNUAL	ALL	4
301735.81	4021796.66	0.0001	109.92	109.92	1.2	ANNUAL	ALL	4
301700.62	4021782.34	0.00011	109.98	109.98	1.2	ANNUAL	ALL	4
301665.42	4021768.02	0.00012	110	110	1.2	ANNUAL	ALL	4
301630.23	4021753.69	0.00013	110.03	110.03	1.2	ANNUAL	ALL	4
301595.03	4021739.37	0.00014	110.03	110.03	1.2	ANNUAL	ALL	4
301559.84	4021725.05	0.00015	110.03	110.03	1.2	ANNUAL	ALL	4
301524.65	4021710.72	0.00016	109.88	109.88	1.2	ANNUAL	ALL	4
301489.45	4021696.40	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
301454.26	4021682.08	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301419.06	4021667.75	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301383.87	4021653.43	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301348.67	4021639.11	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301298.52	4021589.86	0.00019	108.36	108.36	1.2	ANNUAL	ALL	4
301283.55	4021554.93	0.0002	109.56	109.56	1.2	ANNUAL	ALL	4
301268.59	4021520.00	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4
301253.63	4021485.08	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
301238.66	4021450.15	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301223.70	4021415.22	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301208.74	4021380.29	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301193.77	4021345.37	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301178.81	4021310.44	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301163.85	4021275.51	0.00023	109.42	109.42	1.2	ANNUAL	ALL	4
301148.89	4021240.59	0.00021	109.42	109.42	1.2	ANNUAL	ALL	4
301133.92	4021205.66	0.0002	109.2	109.2	1.2	ANNUAL	ALL	4
301118.96	4021170.73	0.00019	109.12	109.12	1.2	ANNUAL	ALL	4
301104.00	4021135.80	0.00017	109.12	109.12	1.2	ANNUAL	ALL	4
301089.03	4021100.88	0.00016	109.12	109.12	1.2	ANNUAL	ALL	4
301876.59	4021853.96	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301914.61	4021853.83	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301952.62	4021853.71	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
301990.64	4021853.58	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4

302028.65	4021853.46	0.00008	109.73	109.73	1.2	ANNUAL	ALL	4
302066.67	4021853.34	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
302084.06	4021053.22	0.00144	110.34	110.34	1.2	ANNUAL	ALL	4
302083.86	4021018.48	0.002	110.34	110.34	1.2	ANNUAL	ALL	4
302083.65	4020983.73	0.00279	110.34	110.34	1.2	ANNUAL	ALL	4
302083.45	4020948.98	0.00393	110.34	110.34	1.2	ANNUAL	ALL	4
302083.25	4020914.24	0.00454	110.34	110.34	1.2	ANNUAL	ALL	4
302083.04	4020879.49	0.00413	110.26	110.26	1.2	ANNUAL	ALL	4
302104.06	4021053.11	0.00119	110.34	110.34	1.2	ANNUAL	ALL	4
302103.86	4021018.36	0.00158	110.34	110.34	1.2	ANNUAL	ALL	4
302103.65	4020983.61	0.00215	110.34	110.34	1.2	ANNUAL	ALL	4
302103.45	4020948.87	0.0029	110.34	110.34	1.2	ANNUAL	ALL	4
302103.25	4020914.12	0.00344	110.34	110.34	1.2	ANNUAL	ALL	4
302103.04	4020879.37	0.00339	110.32	110.32	1.2	ANNUAL	ALL	4
302115.37	4021074.28	0.00094	110.34	110.34	1.2	ANNUAL	ALL	4
302085.47	4021104.46	0.00096	110.34	110.34	1.2	ANNUAL	ALL	4
302124.06	4021052.99	0.001	110.34	110.34	1.2	ANNUAL	ALL	4
302123.86	4021018.24	0.0013	110.34	110.34	1.2	ANNUAL	ALL	4
302123.65	4020983.50	0.00172	110.34	110.34	1.2	ANNUAL	ALL	4
302123.45	4020948.75	0.00225	110.34	110.34	1.2	ANNUAL	ALL	4
302123.25	4020914.00	0.00268	110.34	110.34	1.2	ANNUAL	ALL	4
302123.04	4020879.26	0.00278	110.34	110.34	1.2	ANNUAL	ALL	4
302132.47	4021081.26	0.00079	110.34	110.34	1.2	ANNUAL	ALL	4
302092.60	4021121.49	0.00083	110.34	110.34	1.2	ANNUAL	ALL	4
302144.06	4021052.87	0.00086	110.34	110.34	1.2	ANNUAL	ALL	4
302143.86	4021018.13	0.00109	110.34	110.34	1.2	ANNUAL	ALL	4
302143.65	4020983.38	0.00141	110.34	110.34	1.2	ANNUAL	ALL	4
302143.45	4020948.63	0.00181	110.34	110.34	1.2	ANNUAL	ALL	4
302143.25	4020913.89	0.00215	110.34	110.34	1.2	ANNUAL	ALL	4
302143.04	4020879.14	0.00229	110.34	110.34	1.2	ANNUAL	ALL	4
302154.40	4021076.41	0.0007	110.34	110.34	1.2	ANNUAL	ALL	4
302144.75	4021100.07	0.00066	110.34	110.34	1.2	ANNUAL	ALL	4
302111.52	4021133.60	0.00069	110.34	110.34	1.2	ANNUAL	ALL	4
302164.06	4021052.75	0.00075	110.34	110.34	1.2	ANNUAL	ALL	4
302163.85	4021018.01	0.00094	110.34	110.34	1.2	ANNUAL	ALL	4
302163.65	4020983.26	0.00119	110.34	110.34	1.2	ANNUAL	ALL	4
302163.45	4020948.51	0.00149	110.34	110.34	1.2	ANNUAL	ALL	4
302163.24	4020913.77	0.00177	110.34	110.34	1.2	ANNUAL	ALL	4
302163.04	4020879.02	0.00192	110.34	110.34	1.2	ANNUAL	ALL	4
302172.47	4021081.03	0.00061	110.34	110.34	1.2	ANNUAL	ALL	4
302160.89	4021109.42	0.00058	110.34	110.34	1.2	ANNUAL	ALL	4
302121.02	4021149.65	0.00061	110.34	110.34	1.2	ANNUAL	ALL	4
302092.73	4021161.49	0.00067	110.34	110.34	1.2	ANNUAL	ALL	4
302184.06	4021052.64	0.00066	110.34	110.34	1.2	ANNUAL	ALL	4
302183.85	4021017.89	0.00081	110.34	110.34	1.2	ANNUAL	ALL	4
302183.65	4020983.14	0.00101	110.34	110.34	1.2	ANNUAL	ALL	4
302183.45	4020948.40	0.00126	110.34	110.34	1.2	ANNUAL	ALL	4
302183.24	4020913.65	0.00148	110.34	110.34	1.2	ANNUAL	ALL	4
302183.04	4020878.90	0.00162	110.34	110.34	1.2	ANNUAL	ALL	4
302193.92	4021077.36	0.00055	110.34	110.34	1.2	ANNUAL	ALL	4
302183.78	4021102.20	0.00052	110.34	110.34	1.2	ANNUAL	ALL	4
302173.64	4021127.04	0.0005	110.34	110.34	1.2	ANNUAL	ALL	4
302138.76	4021162.25	0.00053	110.34	110.34	1.2	ANNUAL	ALL	4
302114.01	4021172.61	0.00057	110.34	110.34	1.2	ANNUAL	ALL	4
302089.26	4021182.98	0.00062	110.34	110.34	1.2	ANNUAL	ALL	4
302204.06	4021052.52	0.00059	110.34	110.34	1.2	ANNUAL	ALL	4
302203.85	4021017.77	0.00072	110.34	110.34	1.2	ANNUAL	ALL	4
302203.65	4020983.03	0.00088	110.34	110.34	1.2	ANNUAL	ALL	4
302203.45	4020948.28	0.00107	110.34	110.34	1.2	ANNUAL	ALL	4
302203.24	4020913.53	0.00126	110.34	110.34	1.2	ANNUAL	ALL	4
302203.04	4020878.79	0.00139	110.34	110.34	1.2	ANNUAL	ALL	4
302212.47	4021080.79	0.00049	110.34	110.34	1.2	ANNUAL	ALL	4
302200.88	4021109.18	0.00046	110.34	110.34	1.2	ANNUAL	ALL	4
302189.30	4021137.57	0.00044	110.34	110.34	1.2	ANNUAL	ALL	4
302149.43	4021177.81	0.00047	110.34	110.34	1.2	ANNUAL	ALL	4
302121.15	4021189.65	0.00051	110.34	110.34	1.2	ANNUAL	ALL	4
302092.86	4021201.49	0.00056	110.34	110.34	1.2	ANNUAL	ALL	4
302224.06	4021052.40	0.00053	110.34	110.34	1.2	ANNUAL	ALL	4
302223.85	4021017.66	0.00064	110.34	110.34	1.2	ANNUAL	ALL	4
302223.65	4020982.91	0.00077	110.34	110.34	1.2	ANNUAL	ALL	4
302223.45	4020948.16	0.00093	110.34	110.34	1.2	ANNUAL	ALL	4
302223.24	4020913.42	0.00108	110.34	110.34	1.2	ANNUAL	ALL	4
302223.04	4020878.67	0.0012	110.34	110.34	1.2	ANNUAL	ALL	4

302231.02	4021084.22	0.00044	110.35	110.35	1.2	ANNUAL	ALL	4
302217.99	4021116.16	0.00041	110.34	110.34	1.2	ANNUAL	ALL	4
302204.95	4021148.10	0.00039	110.34	110.34	1.2	ANNUAL	ALL	4
302160.10	4021193.36	0.00042	110.34	110.34	1.2	ANNUAL	ALL	4
302128.28	4021206.69	0.00047	110.34	110.34	1.2	ANNUAL	ALL	4
302096.46	4021220.01	0.00051	110.34	110.34	1.2	ANNUAL	ALL	4
302244.06	4021052.29	0.00048	110.48	110.48	1.2	ANNUAL	ALL	4
302243.85	4021017.54	0.00057	110.48	110.48	1.2	ANNUAL	ALL	4
302243.65	4020982.79	0.00068	110.48	110.48	1.2	ANNUAL	ALL	4
302243.45	4020948.05	0.00082	110.48	110.48	1.2	ANNUAL	ALL	4
302243.24	4020913.30	0.00094	110.47	110.47	1.2	ANNUAL	ALL	4
302243.04	4020878.55	0.00105	110.43	110.43	1.2	ANNUAL	ALL	4
302252.47	4021080.56	0.0004	110.57	110.57	1.2	ANNUAL	ALL	4
302240.88	4021108.95	0.00038	110.45	110.45	1.2	ANNUAL	ALL	4
302229.30	4021137.34	0.00036	110.34	110.34	1.2	ANNUAL	ALL	4
302217.71	4021165.73	0.00035	110.34	110.34	1.2	ANNUAL	ALL	4
302177.84	4021205.96	0.00037	110.34	110.34	1.2	ANNUAL	ALL	4
302149.56	4021217.80	0.00041	110.34	110.34	1.2	ANNUAL	ALL	4
302121.28	4021229.65	0.00044	110.34	110.34	1.2	ANNUAL	ALL	4
302092.99	4021241.49	0.00048	110.34	110.34	1.2	ANNUAL	ALL	4
302264.06	4021052.17	0.00043	110.64	110.64	1.2	ANNUAL	ALL	4
302263.85	4021017.42	0.00051	110.64	110.64	1.2	ANNUAL	ALL	4
302263.65	4020982.68	0.00061	110.64	110.64	1.2	ANNUAL	ALL	4
302263.45	4020947.93	0.00072	110.64	110.64	1.2	ANNUAL	ALL	4
302263.24	4020913.18	0.00083	110.64	110.64	1.2	ANNUAL	ALL	4
302263.04	4020878.44	0.00092	110.56	110.56	1.2	ANNUAL	ALL	4
302301.99	4021081.45	0.00033	110.64	110.64	1.2	ANNUAL	ALL	4
302289.92	4021111.02	0.00031	110.64	110.64	1.2	ANNUAL	ALL	4
302277.85	4021140.59	0.00029	110.64	110.64	1.2	ANNUAL	ALL	4
302265.78	4021170.17	0.00028	110.54	110.54	1.2	ANNUAL	ALL	4
302253.71	4021199.74	0.00027	110.34	110.34	1.2	ANNUAL	ALL	4
302212.18	4021241.65	0.00029	110.34	110.34	1.2	ANNUAL	ALL	4
302182.72	4021253.99	0.00031	110.34	110.34	1.2	ANNUAL	ALL	4
302153.26	4021266.32	0.00034	110.34	110.34	1.2	ANNUAL	ALL	4
302123.80	4021278.66	0.00036	110.33	110.33	1.2	ANNUAL	ALL	4
302094.34	4021291.00	0.00039	110.2	110.2	1.2	ANNUAL	ALL	4
302314.06	4021051.88	0.00035	110.64	110.64	1.2	ANNUAL	ALL	4
302313.85	4021017.13	0.00041	110.64	110.64	1.2	ANNUAL	ALL	4
302313.65	4020982.38	0.00047	110.64	110.64	1.2	ANNUAL	ALL	4
302313.45	4020947.64	0.00055	110.64	110.64	1.2	ANNUAL	ALL	4
302313.24	4020912.89	0.00062	110.64	110.64	1.2	ANNUAL	ALL	4
302313.04	4020878.14	0.00069	110.64	110.64	1.2	ANNUAL	ALL	4
302351.64	4021082.00	0.00027	110.66	110.66	1.2	ANNUAL	ALL	4
302339.23	4021112.42	0.00025	110.64	110.64	1.2	ANNUAL	ALL	4
302326.81	4021142.84	0.00024	110.64	110.64	1.2	ANNUAL	ALL	4
302314.40	4021173.25	0.00023	110.64	110.64	1.2	ANNUAL	ALL	4
302301.98	4021203.67	0.00022	110.64	110.64	1.2	ANNUAL	ALL	4
302289.57	4021234.09	0.00022	110.64	110.64	1.2	ANNUAL	ALL	4
302246.85	4021277.19	0.00023	110.34	110.34	1.2	ANNUAL	ALL	4
302216.55	4021289.88	0.00025	110.34	110.34	1.2	ANNUAL	ALL	4
302186.25	4021302.58	0.00027	110.34	110.34	1.2	ANNUAL	ALL	4
302155.95	4021315.27	0.00028	110.3	110.3	1.2	ANNUAL	ALL	4
302125.64	4021327.96	0.0003	110.08	110.08	1.2	ANNUAL	ALL	4
302095.34	4021340.65	0.00032	110.03	110.03	1.2	ANNUAL	ALL	4
302364.05	4021051.58	0.00029	110.79	110.79	1.2	ANNUAL	ALL	4
302363.85	4021016.84	0.00033	110.78	110.78	1.2	ANNUAL	ALL	4
302363.65	4020982.09	0.00038	110.78	110.78	1.2	ANNUAL	ALL	4
302363.44	4020947.34	0.00043	110.64	110.64	1.2	ANNUAL	ALL	4
302363.24	4020912.60	0.00049	110.67	110.67	1.2	ANNUAL	ALL	4
302363.04	4020877.85	0.00054	110.73	110.73	1.2	ANNUAL	ALL	4
302401.38	4021082.34	0.00023	110.95	110.95	1.2	ANNUAL	ALL	4
302388.71	4021113.39	0.00021	110.95	110.95	1.2	ANNUAL	ALL	4
302376.04	4021144.44	0.0002	110.91	110.91	1.2	ANNUAL	ALL	4
302363.36	4021175.49	0.00019	110.7	110.7	1.2	ANNUAL	ALL	4
302350.69	4021206.55	0.00019	110.64	110.64	1.2	ANNUAL	ALL	4
302338.02	4021237.60	0.00018	110.64	110.64	1.2	ANNUAL	ALL	4
302325.35	4021268.65	0.00018	110.64	110.64	1.2	ANNUAL	ALL	4
302281.74	4021312.65	0.00019	110.52	110.52	1.2	ANNUAL	ALL	4
302250.80	4021325.61	0.0002	110.34	110.34	1.2	ANNUAL	ALL	4
302219.87	4021338.56	0.00021	110.34	110.34	1.2	ANNUAL	ALL	4
302188.94	4021351.52	0.00023	110.29	110.29	1.2	ANNUAL	ALL	4
302158.00	4021364.47	0.00024	110.05	110.05	1.2	ANNUAL	ALL	4
302127.07	4021377.43	0.00025	110.03	110.03	1.2	ANNUAL	ALL	4

302096.14	4021390.38	0.00026	110.03	110.03	1.2	ANNUAL	ALL	4
302414.05	4021051.29	0.00024	110.95	110.95	1.2	ANNUAL	ALL	4
302413.85	4021016.55	0.00027	110.95	110.95	1.2	ANNUAL	ALL	4
302413.65	4020981.80	0.00031	110.95	110.95	1.2	ANNUAL	ALL	4
302413.44	4020947.05	0.00035	110.95	110.95	1.2	ANNUAL	ALL	4
302413.24	4020912.31	0.00039	110.95	110.95	1.2	ANNUAL	ALL	4
302413.04	4020877.56	0.00043	110.95	110.95	1.2	ANNUAL	ALL	4
302451.18	4021082.54	0.00019	110.95	110.95	1.2	ANNUAL	ALL	4
302438.31	4021114.09	0.00018	110.95	110.95	1.2	ANNUAL	ALL	4
302425.43	4021145.63	0.00017	110.95	110.95	1.2	ANNUAL	ALL	4
302412.56	4021177.17	0.00017	110.95	110.95	1.2	ANNUAL	ALL	4
302399.68	4021208.72	0.00016	110.84	110.84	1.2	ANNUAL	ALL	4
302386.81	4021240.26	0.00015	110.71	110.71	1.2	ANNUAL	ALL	4
302373.94	4021271.80	0.00015	110.64	110.64	1.2	ANNUAL	ALL	4
302361.06	4021303.35	0.00015	110.64	110.64	1.2	ANNUAL	ALL	4
302316.76	4021348.05	0.00015	110.61	110.61	1.2	ANNUAL	ALL	4
302285.34	4021361.21	0.00016	110.34	110.34	1.2	ANNUAL	ALL	4
302253.91	4021374.37	0.00017	110.34	110.34	1.2	ANNUAL	ALL	4
302222.49	4021387.53	0.00018	110.29	110.29	1.2	ANNUAL	ALL	4
302191.06	4021400.69	0.00019	110.03	110.03	1.2	ANNUAL	ALL	4
302159.64	4021413.86	0.0002	110.03	110.03	1.2	ANNUAL	ALL	4
302128.21	4021427.02	0.00021	110.03	110.03	1.2	ANNUAL	ALL	4
302096.79	4021440.18	0.00021	110.03	110.03	1.2	ANNUAL	ALL	4
302464.05	4021051.00	0.00021	110.95	110.95	1.2	ANNUAL	ALL	4
302463.85	4021016.25	0.00023	110.95	110.95	1.2	ANNUAL	ALL	4
302463.65	4020981.51	0.00026	110.95	110.95	1.2	ANNUAL	ALL	4
302463.44	4020946.76	0.00029	110.95	110.95	1.2	ANNUAL	ALL	4
302463.24	4020912.01	0.00032	110.95	110.95	1.2	ANNUAL	ALL	4
302463.04	4020877.27	0.00035	110.95	110.95	1.2	ANNUAL	ALL	4
302551.98	4021079.99	0.00015	111.25	111.25	1.2	ANNUAL	ALL	4
302539.91	4021109.56	0.00014	111.25	111.25	1.2	ANNUAL	ALL	4
302527.84	4021139.13	0.00013	111.12	111.12	1.2	ANNUAL	ALL	4
302515.77	4021168.70	0.00013	110.95	110.95	1.2	ANNUAL	ALL	4
302503.71	4021198.27	0.00012	110.95	110.95	1.2	ANNUAL	ALL	4
302491.64	4021227.85	0.00012	110.95	110.95	1.2	ANNUAL	ALL	4
302479.57	4021257.42	0.00012	110.95	110.95	1.2	ANNUAL	ALL	4
302467.50	4021286.99	0.00011	110.95	110.95	1.2	ANNUAL	ALL	4
302455.43	4021316.56	0.00011	110.95	110.95	1.2	ANNUAL	ALL	4
302443.36	4021346.13	0.00011	110.95	110.95	1.2	ANNUAL	ALL	4
302431.29	4021375.71	0.00011	110.86	110.86	1.2	ANNUAL	ALL	4
302389.76	4021417.62	0.00011	110.64	110.64	1.2	ANNUAL	ALL	4
302360.30	4021429.96	0.00012	110.44	110.44	1.2	ANNUAL	ALL	4
302330.84	4021442.29	0.00012	110.34	110.34	1.2	ANNUAL	ALL	4
302301.38	4021454.63	0.00013	110.34	110.34	1.2	ANNUAL	ALL	4
302271.92	4021466.97	0.00013	110.24	110.24	1.2	ANNUAL	ALL	4
302242.46	4021479.31	0.00014	110.07	110.07	1.2	ANNUAL	ALL	4
302213.00	4021491.65	0.00014	109.86	109.86	1.2	ANNUAL	ALL	4
302183.53	4021503.98	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
302154.07	4021516.32	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
302124.61	4021528.66	0.00015	109.62	109.62	1.2	ANNUAL	ALL	4
302095.15	4021541.00	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
302564.05	4021050.41	0.00016	111.25	111.25	1.2	ANNUAL	ALL	4
302563.85	4021015.67	0.00017	111.25	111.25	1.2	ANNUAL	ALL	4
302563.64	4020980.92	0.00019	111.25	111.25	1.2	ANNUAL	ALL	4
302563.44	4020946.17	0.00021	111.25	111.25	1.2	ANNUAL	ALL	4
302563.24	4020911.43	0.00023	111.25	111.25	1.2	ANNUAL	ALL	4
302563.03	4020876.68	0.00025	111.25	111.25	1.2	ANNUAL	ALL	4
302651.64	4021080.25	0.00012	111.25	111.25	1.2	ANNUAL	ALL	4
302639.22	4021110.66	0.00011	111.25	111.25	1.2	ANNUAL	ALL	4
302626.81	4021141.08	0.00011	111.25	111.25	1.2	ANNUAL	ALL	4
302614.39	4021171.50	0.0001	111.25	111.25	1.2	ANNUAL	ALL	4
302601.98	4021201.91	0.0001	111.25	111.25	1.2	ANNUAL	ALL	4
302589.57	4021232.33	0.0001	111.25	111.25	1.2	ANNUAL	ALL	4
302577.15	4021262.75	0.00009	111.25	111.25	1.2	ANNUAL	ALL	4
302564.74	4021293.16	0.00009	111.25	111.25	1.2	ANNUAL	ALL	4
302552.32	4021323.58	0.00009	111.25	111.25	1.2	ANNUAL	ALL	4
302539.91	4021354.00	0.00008	111.25	111.25	1.2	ANNUAL	ALL	4
302527.50	4021384.42	0.00008	111.23	111.23	1.2	ANNUAL	ALL	4
302515.08	4021414.83	0.00008	111.1	111.1	1.2	ANNUAL	ALL	4
302502.67	4021445.25	0.00008	110.96	110.96	1.2	ANNUAL	ALL	4
302459.95	4021488.36	0.00008	110.64	110.64	1.2	ANNUAL	ALL	4
302429.65	4021501.05	0.00009	110.54	110.54	1.2	ANNUAL	ALL	4
302399.35	4021513.74	0.00009	110.34	110.34	1.2	ANNUAL	ALL	4

302369.04	4021526.43	0.0001	110.31	110.31	1.2	ANNUAL	ALL	4
302338.74	4021539.12	0.0001	110.09	110.09	1.2	ANNUAL	ALL	4
302308.44	4021551.81	0.0001	110.01	110.01	1.2	ANNUAL	ALL	4
302278.14	4021564.50	0.00011	109.97	109.97	1.2	ANNUAL	ALL	4
302247.83	4021577.19	0.00011	109.73	109.73	1.2	ANNUAL	ALL	4
302217.53	4021589.88	0.00011	108.96	108.96	1.2	ANNUAL	ALL	4
302187.23	4021602.57	0.00011	108.29	108.29	1.2	ANNUAL	ALL	4
302156.92	4021615.26	0.00011	108.28	108.28	1.2	ANNUAL	ALL	4
302126.62	4021627.96	0.00011	108.32	108.32	1.2	ANNUAL	ALL	4
302096.32	4021640.65	0.00012	108.23	108.23	1.2	ANNUAL	ALL	4
302751.38	4021080.29	0.0001	111.67	111.67	1.2	ANNUAL	ALL	4
302738.70	4021111.35	0.00009	111.56	111.56	1.2	ANNUAL	ALL	4
302726.03	4021142.40	0.00009	111.56	111.56	1.2	ANNUAL	ALL	4
302713.36	4021173.45	0.00008	111.56	111.56	1.2	ANNUAL	ALL	4
302700.68	4021204.50	0.00008	111.56	111.56	1.2	ANNUAL	ALL	4
302688.01	4021235.55	0.00008	111.56	111.56	1.2	ANNUAL	ALL	4
302662.67	4021297.65	0.00007	111.38	111.38	1.2	ANNUAL	ALL	4
302649.99	4021328.70	0.00007	111.47	111.47	1.2	ANNUAL	ALL	4
302637.32	4021359.75	0.00007	111.43	111.43	1.2	ANNUAL	ALL	4
302624.65	4021390.80	0.00007	111.3	111.3	1.2	ANNUAL	ALL	4
302611.98	4021421.85	0.00007	111.25	111.25	1.2	ANNUAL	ALL	4
302599.30	4021452.90	0.00006	111.25	111.25	1.2	ANNUAL	ALL	4
302586.63	4021483.95	0.00006	111.25	111.25	1.2	ANNUAL	ALL	4
302573.96	4021515.00	0.00006	111.1	111.1	1.2	ANNUAL	ALL	4
302530.35	4021559.01	0.00007	110.65	110.65	1.2	ANNUAL	ALL	4
302499.42	4021571.96	0.00007	110.4	110.4	1.2	ANNUAL	ALL	4
302468.48	4021584.92	0.00007	110.26	110.26	1.2	ANNUAL	ALL	4
302437.55	4021597.87	0.00008	110.13	110.13	1.2	ANNUAL	ALL	4
302406.62	4021610.83	0.00008	110	110	1.2	ANNUAL	ALL	4
302375.68	4021623.78	0.00008	110.03	110.03	1.2	ANNUAL	ALL	4
302344.75	4021636.74	0.00008	109.98	109.98	1.2	ANNUAL	ALL	4
302313.81	4021649.70	0.00008	108.93	108.93	1.2	ANNUAL	ALL	4
302282.88	4021662.65	0.00009	108.26	108.26	1.2	ANNUAL	ALL	4
302251.95	4021675.61	0.00009	108.61	108.61	1.2	ANNUAL	ALL	4
302221.01	4021688.56	0.00009	108.87	108.87	1.2	ANNUAL	ALL	4
302190.08	4021701.52	0.00009	108.85	108.85	1.2	ANNUAL	ALL	4
302159.14	4021714.47	0.00009	108.98	108.98	1.2	ANNUAL	ALL	4
302128.21	4021727.43	0.00009	109.12	109.12	1.2	ANNUAL	ALL	4
302097.28	4021740.38	0.00009	109.04	109.04	1.2	ANNUAL	ALL	4
302764.05	4021049.24	0.0001	111.65	111.65	1.2	ANNUAL	ALL	4
302763.84	4021014.50	0.00011	111.74	111.74	1.2	ANNUAL	ALL	4
302763.64	4020979.75	0.00012	111.06	111.06	1.2	ANNUAL	ALL	4
302763.44	4020945.00	0.00013	110.06	110.06	1.2	ANNUAL	ALL	4
302763.23	4020910.26	0.00014	110.07	110.07	1.2	ANNUAL	ALL	4
302763.03	4020875.51	0.00015	110.05	110.05	1.2	ANNUAL	ALL	4
302851.17	4021080.20	0.00008	112.08	112.08	1.2	ANNUAL	ALL	4
302838.30	4021111.75	0.00008	112.02	112.02	1.2	ANNUAL	ALL	4
302825.42	4021143.29	0.00007	111.86	111.86	1.2	ANNUAL	ALL	4
302812.55	4021174.83	0.00007	111.86	111.86	1.2	ANNUAL	ALL	4
302799.68	4021206.38	0.00007	111.86	111.86	1.2	ANNUAL	ALL	4
302786.80	4021237.92	0.00007	111.86	111.86	1.2	ANNUAL	ALL	4
302773.93	4021269.46	0.00006	111.86	111.86	1.2	ANNUAL	ALL	4
302761.06	4021301.01	0.00006	111.77	111.77	1.2	ANNUAL	ALL	4
302748.18	4021332.55	0.00006	111.64	111.64	1.2	ANNUAL	ALL	4
302735.31	4021364.09	0.00006	111.78	111.78	1.2	ANNUAL	ALL	4
302722.43	4021395.64	0.00006	111.68	111.68	1.2	ANNUAL	ALL	4
302709.56	4021427.18	0.00006	111.56	111.56	1.2	ANNUAL	ALL	4
302696.69	4021458.72	0.00005	111.73	111.73	1.2	ANNUAL	ALL	4
302670.94	4021521.81	0.00005	111.56	111.56	1.2	ANNUAL	ALL	4
302658.06	4021553.35	0.00005	111.52	111.52	1.2	ANNUAL	ALL	4
302645.19	4021584.90	0.00005	111.25	111.25	1.2	ANNUAL	ALL	4
302600.89	4021629.60	0.00005	111.25	111.25	1.2	ANNUAL	ALL	4
302569.47	4021642.76	0.00006	111.04	111.04	1.2	ANNUAL	ALL	4
302538.04	4021655.92	0.00006	110.19	110.19	1.2	ANNUAL	ALL	4
302506.62	4021669.08	0.00006	109.8	109.8	1.2	ANNUAL	ALL	4
302475.19	4021682.25	0.00006	109.73	109.73	1.2	ANNUAL	ALL	4
302443.77	4021695.41	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
302412.34	4021708.57	0.00007	109.62	109.62	1.2	ANNUAL	ALL	4
302380.92	4021721.73	0.00007	108.48	108.48	1.2	ANNUAL	ALL	4
302349.49	4021734.89	0.00007	108.45	108.45	1.2	ANNUAL	ALL	4
302318.07	4021748.05	0.00007	109.64	109.64	1.2	ANNUAL	ALL	4
302286.64	4021761.21	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
302255.22	4021774.37	0.00007	109.71	109.71	1.2	ANNUAL	ALL	4

302223.79	4021787.53	0.00007	109.66	109.66	1.2	ANNUAL	ALL	4
302192.37	4021800.69	0.00007	109.55	109.55	1.2	ANNUAL	ALL	4
302160.94	4021813.85	0.00007	109.69	109.69	1.2	ANNUAL	ALL	4
302129.52	4021827.01	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
302098.09	4021840.17	0.00007	109.73	109.73	1.2	ANNUAL	ALL	4
302864.05	4021048.66	0.00008	110.57	110.57	1.2	ANNUAL	ALL	4
302863.84	4021013.91	0.00009	109.76	109.76	1.2	ANNUAL	ALL	4
302863.64	4020979.17	0.0001	110.35	110.35	1.2	ANNUAL	ALL	4
302863.44	4020944.42	0.0001	110.71	110.71	1.2	ANNUAL	ALL	4
302863.23	4020909.67	0.00011	110.9	110.9	1.2	ANNUAL	ALL	4
302863.03	4020874.93	0.00012	110.56	110.56	1.2	ANNUAL	ALL	4
302586.56	4020802.22	0.00027	111.25	111.25	1.2	ANNUAL	ALL	4
301680.63	4021306.87	0.00065	110.03	110.03	1.2	ANNUAL	ALL	4
301657.69	4021276.12	0.0007	110.03	110.03	1.2	ANNUAL	ALL	4
301680.63	4021272.99	0.00074	110.03	110.03	1.2	ANNUAL	ALL	4
301638.92	4021273.51	0.00068	110.03	110.03	1.2	ANNUAL	ALL	4
301640.49	4021306.87	0.0006	110.03	110.03	1.2	ANNUAL	ALL	4
301623.81	4021303.75	0.00059	109.97	109.97	1.2	ANNUAL	ALL	4
301600.87	4021305.31	0.00057	109.74	109.74	1.2	ANNUAL	ALL	4
301696.79	4021224.51	0.00093	110.03	110.03	1.2	ANNUAL	ALL	4
301679.06	4021220.34	0.00091	110.03	110.03	1.2	ANNUAL	ALL	4
301698.35	4021186.97	0.00111	110.03	110.03	1.2	ANNUAL	ALL	4
301671.77	4021105.13	0.00124	109.73	109.73	1.2	ANNUAL	ALL	4
301666.55	4020974.28	0.0009	109.73	109.73	1.2	ANNUAL	ALL	4
301708.26	4020936.75	0.00095	109.73	109.73	1.2	ANNUAL	ALL	4
301734.32	4020584.35	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301816.11	4020492.37	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
302101.58	4020387.93	0.00022	109.8	109.8	1.2	ANNUAL	ALL	4
302077.10	4020392.08	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4
301872.20	4020395.47	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301896.31	4020390.95	0.00013	109.73	109.73	1.2	ANNUAL	ALL	4
301917.02	4020390.57	0.00014	109.73	109.73	1.2	ANNUAL	ALL	4
301940.37	4020387.18	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301960.71	4020387.93	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301981.81	4020394.34	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
302001.77	4020390.19	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
302029.27	4020387.56	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
302051.11	4020389.82	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
302148.43	4020865.24	0.00218	110.34	110.34	1.2	ANNUAL	ALL	4
302321.32	4020857.33	0.00069	110.64	110.64	1.2	ANNUAL	ALL	4
302105.53	4021102.15	0.00085	110.34	110.34	1.2	ANNUAL	ALL	4
302138.51	4021117.52	0.00064	110.34	110.34	1.2	ANNUAL	ALL	4
301927.96	4021262.55	0.00104	110.04	110.04	1.2	ANNUAL	ALL	4
301979.83	4021286.24	0.00067	110.03	110.03	1.2	ANNUAL	ALL	4
302011.85	4021285.92	0.00057	110.03	110.03	1.2	ANNUAL	ALL	4
302029.46	4021286.88	0.00052	110.03	110.03	1.2	ANNUAL	ALL	4
302055.71	4021284.00	0.00047	110.08	110.08	1.2	ANNUAL	ALL	4
302077.16	4021285.92	0.00043	110.23	110.23	1.2	ANNUAL	ALL	4
302168.41	4021281.76	0.0003	110.34	110.34	1.2	ANNUAL	ALL	4
302114.30	4021290.73	0.00036	110.22	110.22	1.2	ANNUAL	ALL	4
302225.40	4021320.82	0.00022	110.34	110.34	1.2	ANNUAL	ALL	4
302043.23	4021328.19	0.00041	110.03	110.03	1.2	ANNUAL	ALL	4
301949.09	4021331.07	0.00071	110.12	110.12	1.2	ANNUAL	ALL	4
301726.29	4021362.43	0.00055	110.14	110.14	1.2	ANNUAL	ALL	4
301691.09	4021348.10	0.00056	110.04	110.04	1.2	ANNUAL	ALL	4
301611.33	4021383.53	0.00045	109.63	109.63	1.2	ANNUAL	ALL	4
301576.14	4021369.20	0.00045	109.71	109.71	1.2	ANNUAL	ALL	4
301540.94	4021354.88	0.00044	109.73	109.73	1.2	ANNUAL	ALL	4

** CONCUNIT ug/m^3
** DEPUNIT g/m^2

Health Risk Assessment

Operational Health Risk Assessment

Health Risks from the Proposed

Gasoline Fueling Station

Health Risk Assessment

Benzene Emissions Calculations

Farmersville Mixed Use Project—Benzene Emissions Calculations

Total Capacity (gallons)	80,000	(Assumed two storage tanks - up to 40,000 gallons for each tank to provide a conservative estimate of emissions)
Total Annual Throughput (gallons)	3,000,000	(Annual permitted throughput value in gallons - permitted value TBD - assumed 2,000,000 annual throughput based on similar sized gasoline stations in the region)

Benzene Emissions Calculations (Based on 24-hr, 7-day per week Operations)

Underground Storage Tanks (Area 1 of 2)	Total Capacity (gallons)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Fuel Movement (gallons)	lbs/day	g/day	g/sec
Loading	40,000	1,500,000	0.001260	4,110	0.005	2.3487E+00	2.7184E-05
Breathing			0.000075	40,000	0.003	1.3608E+00	1.5750E-05

Underground Storage Tanks (Area 2 of 2)	Total Capacity (gallons)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Fuel Movement (gallons)	lbs/day	g/day	g/sec
Loading	40,000	1,500,000	0.001260	4,110	0.005	2.3487E+00	2.7184E-05
Breathing			0.000075	40,000	0.003	1.3608E+00	1.5750E-05

Fuel Dispensers (Total)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	3,000,000	0.000960	8,219	0.008	3.5790E+00	4.1424E-05
Spillage		0.002400	8,219	0.020	8.9476E+00	1.0356E-04

Sources:
BAAQMD Air Toxics NSR Program Health Risk Assessment Guidelines (2016); SCAQMD Emission Inventory and Risk Assessment Guidelines for Gasoline Dispensing Stations (2007); and CAPCOA Gasoline Service Station Industrywide Risk Assessment Guidelines (1997).

Fuel Dispensers (Pump 1 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	500,000	0.000960	1,370	0.001	5.9650E-01	6.9040E-06
Spillage		0.002400	1,370	0.003	1.4913E+00	1.7260E-05

Fuel Dispensers (Pump 2 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	500,000	0.000960	1,370	0.001	5.9650E-01	6.9040E-06
Spillage		0.002400	1,370	0.003	1.4913E+00	1.7260E-05

Fuel Dispensers (Pump 3 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	500,000	0.000960	1,370	0.001	5.9650E-01	6.9040E-06
Spillage		0.002400	1,370	0.003	1.4913E+00	1.7260E-05

Fuel Dispensers (Pump 4 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	500,000	0.000960	1,370	0.001	5.9650E-01	6.9040E-06
Spillage		0.002400	1,370	0.003	1.4913E+00	1.7260E-05

Fuel Dispensers (Pump 5 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	500,000	0.000960	1,370	0.001	5.9650E-01	6.9040E-06
Spillage		0.002400	1,370	0.003	1.4913E+00	1.7260E-05

Fuel Dispensers (Pump 6 of 6)	Annual Throughput (gallons)	Emission Factor (lbs/1,000 gallons)	Daily Throughput (gallons)	lbs/day	g/day	g/sec
Refueling	500,000	0.000960	1,370	0.001	5.9650E-01	6.9040E-06
Spillage		0.002400	1,370	0.003	1.4913E+00	1.7260E-05

Benzene Input Summary

Parameter	Location	Source	Height (m)	Diameter (m)	Vertical dimension (m)	Release height (m)
Loading	Storage tanks	Point	3.66	0.05	-	-
Breathing	Storage tanks	Point	3.66	0.05	-	-
Refueling	Canopy	Volume	-	-	5	1
Spillage	Canopy	Volume	-	-	5	0

Assumed Hours per Day	Hours of Operation	Hours Per Day	Hours Per Year of Operations	Hours Per Year (24/day)	Factor
Sunday	24 hours	24	1,248	1,248	1.0000
Monday	24 hours	24	1,248	1,248	1.0000
Tuesday	24 hours	24	1,248	1,248	1.0000
Wednesday	24 hours	24	1,248	1,248	1.0000
Thursday	24 hours	24	1,248	1,248	1.0000
Friday	24 hours	24	1,248	1,248	1.0000
Saturday	24 hours	24	1,248	1,248	1.0000

Health Risk Assessment

Off-site Receptor Health Risk Calculations from Benzene Emissions

Farmersville Mixed Use Project—Benzene Health Risk Calculations for Off-site Receptors

Risk Calculations

1-Hour Average Concentration:	0.21389	1-Hour concentration (µg/m3) from air dispersion model
24-Hour Average Concentration:	0.06783	24-Hour average concentration (µg/m3) from air dispersion model
Annual Average Concentration:	0.00799	annual average concentration (µg/m3) from air dispersion model

Cancer Risk

	3rd trimester	0<2 years	2<9 years	9<16 years	2<16 years	16<30 years	30<70 years	16<70 years
DOSEair = (Cair*(BR/BW)*A*EF*10^{-6})	2.76901E-06	8.36074E-06	4.84002E-06	4.38747E-06	4.38747E-06	2.00197E-06	1.78720E-06	1.78720E-06
Risk = DOSEair * CPF * ASF * ED/AT * FAH	9.88934E-09	2.38878E-07	1.45201E-07	1.31624E-07	2.63248E-07	4.00395E-08	1.02126E-07	1.37870E-07
Exposure Duration (years)	0.25	2	7	7	14	14	40	54

Cancer Risk:

	Risk	in one million	Exposure (years)
70-year exposure	6.499E-07	0.65	70
30-year exposure	5.521E-07	0.55	30
9-year exposure	3.940E-07	0.39	9

	DOSEair		mg/kg-d	Dose through inhalation
	CPF	0.1	$(mg/kg/day)^{-1}$	Cancer Potency Factor for Benzene
BR/BW	BR/BW (3rd trimester)	361	L/kg	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090	bodyweight-	95th percentile used for 3rd trimester and 0<2
	BR/BW (2 < 9 years)	631	day	80th percentile used for all other age bins
	BR/BW (2 < 16 years)	572		
	BR/BW (9 < 16 years)	572		
	BR/BW (16 < 30 years)	261		
	BR/BW (16 < 70 years)	233		
	10^{-6}	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	Cair	0.1	ug/m3	Concentration in air (ug/m3), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (9 < 16 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16<70 years)	40		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	1		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	1		
	FAH (16 - 70 years)	1		

Farmersville Mixed Use Project—Benzene Health Risk Calculations for Off-site Receptors

Risk Calculations

1-Hour Average Concentration:	0.21389	1-Hour concentration (µg/m3) from air dispersion model
24-Hour Average Concentration:	0.06783	24-Hour average concentration (µg/m3) from air dispersion model
Annual Average Concentration:	0.00799	annual average concentration (µg/m3) from air dispersion model

Chronic Noncancer Hazard

Threshold:	1	

Hazard Quotient = Ci/RELi

HQ =	0.003	Hazard Quotient
C_i	0.008	Concentration in the air of substance i (annual average concentration in µg/m^3)
REL_i	3	Chronic noncancer Reference Exposure Level for substance i (µg/m^3)
Chronic RELi (Benzene):	3	
Chronic RELi (Diesel Exhaust):	5	Shown for informational purposes only (not used in benzene calculations)

Acute NonCancer Hazard

Threshold:	1	

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ =	0.008	Acute HQ = Maximum Hourly Air Concentration (µg/m^3) / Acute REL (µg/m^3)
Maximum Hourly	0.214	Maximum Hourly Air Concentration (µg/m^3)
Acute (Benzene):	27	Acute REL (µg/m^3)
8-hour (Benzene):	3	
Chronic (Benzene):	3	

Off-site Receptors
Benzene

1-HR
Maximum 0.21389

24-HR
Maximum 0.06783

ANNUAL
Maximum 0.00799
UTM
X Y
302083.25 302083.04

AERMOD (21112): G:\0014.010 \Op Benzene\Op Benzene.isc 5/29/2022
AERMET (18081): 10:49:33 AM

MODELING OPTI	ONS USED: Reg	DFAULT CONC E	LEV FLGP	OL URBAN	ADJ_U*					
PLOT	FILE OF HIGH	1ST HIGH 1-HR	VALUES F	OR SOURCE	GROUP: ALL					
FORMA	T: (3(1X,F13.5)	,3(1X,F8.2),3X,	A5,2X,A8,	2X,A5,5X,	A8,2X,I 8)					
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	DATE(CONC)	
302268.08	4020737.39	0.06532	110.34	110.34	1.2	1-HR	ALL	1ST	10022723	
302283	4020772.73	0.06844	110.34	110.34	1.2	1-HR	ALL	1ST	7021218	
302297.92	4020808.06	0.06562	110.5	110.5	1.2	1-HR	ALL	1ST	8021908	
302095.52	4020559.24	0.05398	110.03	110.03	1.2	1-HR	ALL	1ST	7022522	
302131.09	4020573.61	0.05351	110.03	110.03	1.2	1-HR	ALL	1ST	9022619	
302166.65	4020587.99	0.05852	110.03	110.03	1.2	1-HR	ALL	1ST	7121520	
302288.25	4020666.43	0.05626	110.34	110.34	1.2	1-HR	ALL	1ST	7010617	
302303.16	4020701.77	0.05824	110.34	110.34	1.2	1-HR	ALL	1ST	10022723	
302318.08	4020737.1	0.05997	110.34	110.34	1.2	1-HR	ALL	1ST	7120417	
302333	4020772.44	0.06018	110.64	110.64	1.2	1-HR	ALL	1ST	7120420	
302347.92	4020807.77	0.05811	110.64	110.64	1.2	1-HR	ALL	1ST	9021520	
302059.96	4020544.87	0.05457	109.83	109.83	1.2	1-HR	ALL	1ST	7012518	
302021.58	4020545.24	0.05579	109.73	109.73	1.2	1-HR	ALL	1ST	8011004	
301983.19	4020545.61	0.05695	109.73	109.73	1.2	1-HR	ALL	1ST	9121924	
302095.05	4020509.25	0.04783	110.03	110.03	1.2	1-HR	ALL	1ST	8011207	
302130.61	4020523.62	0.04779	110.03	110.03	1.2	1-HR	ALL	1ST	10120920	
302166.17	4020537.99	0.04891	110.03	110.03	1.2	1-HR	ALL	1ST	9010707	
302201.73	4020552.36	0.05121	110.03	110.03	1.2	1-HR	ALL	1ST	10012622	
302237.29	4020566.73	0.05006	110.03	110.03	1.2	1-HR	ALL	1ST	9120117	
302272.85	4020581.1	0.05082	110.14	110.14	1.2	1-HR	ALL	1ST	9010609	
302323.33	4020630.8	0.04974	110.34	110.34	1.2	1-HR	ALL	1ST	7010617	
302338.25	4020666.14	0.05104	110.34	110.34	1.2	1-HR	ALL	1ST	10022723	
302353.16	4020701.47	0.05277	110.59	110.59	1.2	1-HR	ALL	1ST	9012219	
302368.08	4020736.81	0.05349	110.64	110.64	1.2	1-HR	ALL	1ST	9013018	
302383	4020772.14	0.05161	110.64	110.64	1.2	1-HR	ALL	1ST	8021908	
302059.48	4020494.88	0.04812	109.83	109.83	1.2	1-HR	ALL	1ST	10121119	
302021.1	4020495.24	0.04879	109.73	109.73	1.2	1-HR	ALL	1ST	10010606	
301982.71	4020495.61	0.05156	109.73	109.73	1.2	1-HR	ALL	1ST	8120116	
301944.33	4020495.98	0.05083	109.73	109.73	1.2	1-HR	ALL	1ST	8012222	
301905.94	4020496.35	0.05096	109.73	109.73	1.2	1-HR	ALL	1ST	9010207	
301867.55	4020496.72	0.04977	109.73	109.73	1.2	1-HR	ALL	1ST	8011522	
302094.57	4020459.25	0.04317	110.03	110.03	1.2	1-HR	ALL	1ST	7012518	
302130.13	4020473.62	0.04262	110.03	110.03	1.2	1-HR	ALL	1ST	7022522	
302165.69	4020487.99	0.04334	110.03	110.03	1.2	1-HR	ALL	1ST	9022619	
302201.25	4020502.36	0.0469	110.03	110.03	1.2	1-HR	ALL	1ST	9010707	
302236.81	4020516.73	0.0464	110.03	110.03	1.2	1-HR	ALL	1ST	10012622	
302272.37	4020531.1	0.04568	110.03	110.03	1.2	1-HR	ALL	1ST	9120117	
302307.93	4020545.47	0.04639	110.14	110.14	1.2	1-HR	ALL	1ST	9010609	
302358.41	4020595.18	0.04421	110.34	110.34	1.2	1-HR	ALL	1ST	7010617	
302373.33	4020630.51	0.04577	110.34	110.34	1.2	1-HR	ALL	1ST	9120317	
302388.24	4020665.85	0.04692	110.52	110.52	1.2	1-HR	ALL	1ST	10121217	
302403.16	4020701.18	0.04802	110.64	110.64	1.2	1-HR	ALL	1ST	7021218	
302418.08	4020736.52	0.04546	110.64	110.64	1.2	1-HR	ALL	1ST	9120118	
302433	4020771.85	0.04605	110.88	110.88	1.2	1-HR	ALL	1ST	9021520	
302059.01	4020444.88	0.04208	109.82	109.82	1.2	1-HR	ALL	1ST	8011004	
302020.62	4020445.25	0.0438	109.73	109.73	1.2	1-HR	ALL	1ST	9121102	
301982.23	4020445.61	0.04777	109.73	109.73	1.2	1-HR	ALL	1ST	8120116	
301943.85	4020445.98	0.04499	109.73	109.73	1.2	1-HR	ALL	1ST	8012222	
301905.46	4020446.35	0.04507	109.73	109.73	1.2	1-HR	ALL	1ST	9010207	
301867.08	4020446.72	0.04438	109.73	109.73	1.2	1-HR	ALL	1ST	9012419	
302093.61	4020359.25	0.03539	109.73	109.73	1.2	1-HR	ALL	1ST	10121119	
302121.64	4020387.56	0.03646	109.91	109.91	1.2	1-HR	ALL	1ST	7012518	
302164.73	4020387.99	0.03471	110.03	110.03	1.2	1-HR	ALL	1ST	7022522	
302194.64	4020390.31	0.03461	110.03	110.03	1.2	1-HR	ALL	1ST	10120920	
302217.77	4020387.36	0.03423	109.91	109.91	1.2	1-HR	ALL	1ST	9022619	
302271.41	4020431.11	0.03786	110.03	110.03	1.2	1-HR	ALL	1ST	7121520	
302306.97	4020445.48	0.03765	110.03	110.03	1.2	1-HR	ALL	1ST	8011120	
302342.53	4020459.85	0.03696	110.03	110.03	1.2	1-HR	ALL	1ST	9120117	
302378.09	4020474.22	0.0389	110.03	110.03	1.2	1-HR	ALL	1ST	9010609	
302428.57	4020523.92	0.03617	110.2	110.2	1.2	1-HR	ALL	1ST	7022707	
302443.49	4020559.26	0.03703	110.34	110.34	1.2	1-HR	ALL	1ST	8012221	
302458.41	4020594.59	0.03716	110.34	110.34	1.2	1-HR	ALL	1ST	10121217	
302473.32	4020629.93	0.03921	110.46	110.46	1.2	1-HR	ALL	1ST	7120417	
302488.24	4020665.26	0.03935	110.64	110.64	1.2	1-HR	ALL	1ST	9013018	
302503.16	4020700.6	0.0375	110.67	110.67	1.2	1-HR	ALL	1ST	8021908	
302518.08	4020735.93	0.03839	110.94	110.94	1.2	1-HR	ALL	1ST	8020517	
302533	4020771.26	0.03761	110.98	110.98	1.2	1-HR	ALL	1ST	8021218	
302058.05	4020344.88	0.03471	109.73	109.73	1.2	1-HR	ALL	1ST	10010606	
302019.66	4020345.25	0.03538	109.73	109.73	1.2	1-HR	ALL	1ST	9121924	
301981.27	4020345.62	0.0382	109.73	109.73	1.2	1-HR	ALL	1ST	8120116	
301942.89	4020345.99	0.03629	109.73	109.73	1.2	1-HR	ALL	1ST	10020506	
301904.5	4020346.35	0.03618	109.73	109.73	1.2	1-HR	ALL	1ST	9010207	
301866.12	4020346.72	0.03616	109.73	109.73	1.2	1-HR	ALL	1ST	9012419	
302092.65	4020259.26	0.02932	109.73	109.73	1.2	1-HR	ALL	1ST	10010606	
302128.21	4020273.63	0.02986	109.73	109.73	1.2	1-HR	ALL	1ST	10121119	
302163.77	4020288	0.02902	109.73	109.73	1.2	1-HR	ALL	1ST	7012518	
302199.33	4020302.37	0.02924	109.73	109.73	1.2	1-HR	ALL	1ST	8011207	
302234.89	4020316.74	0.0299	109.73	109.73	1.2	1-HR	ALL	1ST	10120920	
302270.45	4020331.11	0.02972	109.73	109.73	1.2	1-HR	ALL	1ST	7021119	
302306.01	4020345.48	0.03244	109.73	109.73	1.2	1-HR	ALL	1ST	9010707	
302341.57	4020359.85	0.03217	109.73	109.73	1.2	1-HR	ALL	1ST	10012622	
302377.13	4020374.22	0.03104	109.73	109.73	1.2	1-HR	ALL	1ST	8011120	
302412.7	4020388.59	0.03063	109.73	109.73	1.2	1-HR	ALL	1ST	7022024	
302448.26	4020402.96	0.03295	109.8	109.8	1.2	1-HR	ALL	1ST	9010609	
302498.73	4020452.67	0.03033	110.03	110.03	1.2	1-HR	ALL	1ST	7022707	
302513.65	4020488	0.03106	110.17	110.17	1.2	1-HR	ALL	1ST	8122206	
302528.57	4020523.34	0.03197	110.34	110.34	1.2	1-HR	ALL	1ST	10022723	
302543.49	4020558.67	0.03247	110.34	110.34	1.2	1-HR	ALL	1ST	9012219	
302558.41	4020594.01	0.03292	110.4	110.4	1.2	1-HR	ALL	1ST	10021822	
302573.32	4020629.34	0.03336	110.64	110.64	1.2	1-HR	ALL	1ST	7120420	
302588.24	4020664.68	0.03198	110.64	110.64	1.2	1-HR	ALL	1ST	8021908	
302603.16	4020700.01	0.03274	110.87	110.87	1.2	1-HR	ALL	1ST	8020517	
302618.08	4020735.35	0.03188	111.21	111.21	1.2	1-HR	ALL	1ST	8021218	
302632.99	4020770.68	0.03224	111.25	111.25	1.2	1-HR	ALL	1ST	7012217	
302057.09	4020244.89	0.02923	109.73	109.73	1.2	1-HR	ALL	1ST	9121102	

AERMOD (21112): G:\0014.010 \Op Benzene\Op Benzene.i sc 5/29/2022
AERMET (1808 1): 10:49:33

MODELING OPT	ONS USED: Re	DFAULT CONC E	LEV FLGP	OL URBAN	ADJ_U*					
PLOT	FILE OF HIGH	1ST HIGH 24-HR	VALUES F	OR SOURC	GROUP ALL					
FORMA	T: (3(1X,F13.5)	,3(1X,F8.2),3X,	A5,2X,A8,	2X,A5,5X,	A8,2X,I 8)					
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	DATE(CONC	
302268.08	4020737.39	0.01521	110.34	110.34	1.2	24-HR	ALL	1ST	7030924	
302283	4020772.73	0.01457	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	
302297.92	4020808.06	0.01403	110.5	110.5	1.2	24-HR	ALL	1ST	8011624	
302095.52	4020559.24	0.01115	110.03	110.03	1.2	24-HR	ALL	1ST	8011224	
302131.09	4020573.61	0.00892	110.03	110.03	1.2	24-HR	ALL	1ST	7021324	
302166.65	4020587.99	0.00985	110.03	110.03	1.2	24-HR	ALL	1ST	7022824	
302288.25	4020666.43	0.01241	110.34	110.34	1.2	24-HR	ALL	1ST	9122824	
302303.16	4020701.77	0.0131	110.34	110.34	1.2	24-HR	ALL	1ST	7030924	
302318.08	4020737.1	0.01257	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	
302333	4020772.44	0.0131	110.64	110.64	1.2	24-HR	ALL	1ST	8011624	
302347.92	4020807.77	0.01142	110.64	110.64	1.2	24-HR	ALL	1ST	8010724	
302059.96	4020544.87	0.00919	109.83	109.83	1.2	24-HR	ALL	1ST	10121124	
302021.58	4020545.24	0.00719	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	
301983.19	4020545.61	0.00779	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	
302095.05	4020509.25	0.00947	110.03	110.03	1.2	24-HR	ALL	1ST	8011224	
302130.61	4020523.62	0.0089	110.03	110.03	1.2	24-HR	ALL	1ST	8011224	
302166.17	4020537.99	0.00819	110.03	110.03	1.2	24-HR	ALL	1ST	8032124	
302201.73	4020552.36	0.00922	110.03	110.03	1.2	24-HR	ALL	1ST	7022824	
302237.29	4020566.73	0.00856	110.03	110.03	1.2	24-HR	ALL	1ST	7022824	
302272.85	4020581.1	0.009	110.14	110.14	1.2	24-HR	ALL	1ST	7032524	
302323.33	4020630.8	0.01088	110.34	110.34	1.2	24-HR	ALL	1ST	9122824	
302338.25	4020666.14	0.01125	110.34	110.34	1.2	24-HR	ALL	1ST	7030924	
302353.16	4020701.47	0.01079	110.59	110.59	1.2	24-HR	ALL	1ST	8010724	
302368.08	4020736.81	0.01135	110.64	110.64	1.2	24-HR	ALL	1ST	8011624	
302383	4020772.14	0.01014	110.64	110.64	1.2	24-HR	ALL	1ST	8010724	
302059.48	4020494.88	0.00726	109.83	109.83	1.2	24-HR	ALL	1ST	10121124	
302021.1	4020495.24	0.00662	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	
301982.71	4020495.61	0.00644	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	
301944.33	4020495.98	0.00616	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	
301905.94	4020496.35	0.00504	109.73	109.73	1.2	24-HR	ALL	1ST	7022324	
301867.55	4020496.72	0.00555	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	
302094.57	4020459.25	0.00726	110.03	110.03	1.2	24-HR	ALL	1ST	8011224	
302130.13	4020473.62	0.00874	110.03	110.03	1.2	24-HR	ALL	1ST	8011224	
302165.69	4020487.99	0.00673	110.03	110.03	1.2	24-HR	ALL	1ST	10121124	
302201.25	4020502.36	0.00739	110.03	110.03	1.2	24-HR	ALL	1ST	8032124	
302236.81	4020516.73	0.00842	110.03	110.03	1.2	24-HR	ALL	1ST	7022824	
302272.37	4020531.1	0.00751	110.03	110.03	1.2	24-HR	ALL	1ST	7032524	
302307.93	4020545.47	0.00792	110.14	110.14	1.2	24-HR	ALL	1ST	7032524	
302358.41	4020595.18	0.00961	110.34	110.34	1.2	24-HR	ALL	1ST	9122824	
302373.33	4020630.51	0.0097	110.34	110.34	1.2	24-HR	ALL	1ST	8020124	
302388.24	4020665.85	0.00999	110.52	110.52	1.2	24-HR	ALL	1ST	7030924	
302403.16	4020701.18	0.00957	110.64	110.64	1.2	24-HR	ALL	1ST	8010724	
302418.08	4020736.52	0.00994	110.64	110.64	1.2	24-HR	ALL	1ST	8011624	
302433	4020771.85	0.0087	110.88	110.88	1.2	24-HR	ALL	1ST	8010724	
302059.01	4020444.88	0.00565	109.82	109.82	1.2	24-HR	ALL	1ST	10121124	
302020.62	4020445.25	0.00597	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	
301982.23	4020445.61	0.0053	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	
301943.85	4020445.98	0.0054	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	
301905.46	4020446.35	0.00444	109.73	109.73	1.2	24-HR	ALL	1ST	7022324	
301867.08	4020446.72	0.00474	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	
302093.61	4020359.25	0.00487	109.73	109.73	1.2	24-HR	ALL	1ST	10121124	
302121.64	4020387.56	0.00606	109.91	109.91	1.2	24-HR	ALL	1ST	8011224	
302164.73	4020387.99	0.00708	110.03	110.03	1.2	24-HR	ALL	1ST	8011224	
302194.64	4020390.31	0.00614	110.03	110.03	1.2	24-HR	ALL	1ST	8011224	
302217.77	4020387.36	0.00516	109.91	109.91	1.2	24-HR	ALL	1ST	7021224	
302271.41	4020431.11	0.00634	110.03	110.03	1.2	24-HR	ALL	1ST	7022824	
302306.97	4020445.48	0.00669	110.03	110.03	1.2	24-HR	ALL	1ST	7022824	
302342.53	4020459.85	0.00628	110.03	110.03	1.2	24-HR	ALL	1ST	7032524	
302378.09	4020474.22	0.00627	110.03	110.03	1.2	24-HR	ALL	1ST	7032524	
302428.57	4020523.92	0.00767	110.2	110.2	1.2	24-HR	ALL	1ST	9122824	
302443.49	4020559.26	0.00774	110.34	110.34	1.2	24-HR	ALL	1ST	8020124	
302458.41	4020594.59	0.00838	110.34	110.34	1.2	24-HR	ALL	1ST	7030924	
302473.32	4020629.93	0.00781	110.46	110.46	1.2	24-HR	ALL	1ST	8010724	
302488.24	4020665.26	0.00826	110.64	110.64	1.2	24-HR	ALL	1ST	8011624	
302503.16	4020700.6	0.00765	110.67	110.67	1.2	24-HR	ALL	1ST	8011624	
302518.08	4020735.93	0.0069	110.94	110.94	1.2	24-HR	ALL	1ST	8010724	
302533	4020771.26	0.00708	110.98	110.98	1.2	24-HR	ALL	1ST	9010324	
302058.05	4020344.88	0.0045	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	
302019.66	4020345.25	0.00465	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	
301981.27	4020345.62	0.00402	109.73	109.73	1.2	24-HR	ALL	1ST	10030824	
301942.89	4020345.99	0.00417	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	
301904.5	4020346.35	0.00355	109.73	109.73	1.2	24-HR	ALL	1ST	7022324	
301866.12	4020346.72	0.00358	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	
302092.65	4020259.26	0.00352	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	
302128.21	4020273.63	0.00419	109.73	109.73	1.2	24-HR	ALL	1ST	10121124	
302163.77	4020288	0.00502	109.73	109.73	1.2	24-HR	ALL	1ST	8011224	
302199.33	4020302.37	0.00589	109.73	109.73	1.2	24-HR	ALL	1ST	8011224	
302234.89	4020316.74	0.00497	109.73	109.73	1.2	24-HR	ALL	1ST	8011224	
302270.45	4020331.11	0.00469	109.73	109.73	1.2	24-HR	ALL	1ST	8032124	
302306.01	4020345.48	0.00486	109.73	109.73	1.2	24-HR	ALL	1ST	8032124	
302341.57	4020359.85	0.00565	109.73	109.73	1.2	24-HR	ALL	1ST	7022824	
302377.13	4020374.22	0.00517	109.73	109.73	1.2	24-HR	ALL	1ST	7022824	
302412.7	4020388.59	0.00526	109.73	109.73	1.2	24-HR	ALL	1ST	7032524	
302448.26	4020402.96	0.0051	109.8	109.8	1.2	24-HR	ALL	1ST	7032524	
302498.73	4020452.67	0.00627	110.03	110.03	1.2	24-HR	ALL	1ST	9122824	
302513.65	4020488	0.00629	110.17	110.17	1.2	24-HR	ALL	1ST	8020124	
302528.57	4020523.34	0.00681	110.34	110.34	1.2	24-HR	ALL	1ST	7030924	
302543.49	4020558.67	0.00663	110.34	110.34	1.2	24-HR	ALL	1ST	7030924	
302558.41	4020594.01	0.00635	110.4	110.4	1.2	24-HR	ALL	1ST	8010724	
302573.32	4020629.34	0.00707	110.64	110.64	1.2	24-HR	ALL	1ST	8011624	
302588.24	4020664.68	0.00599	110.64	110.64	1.2	24-HR	ALL	1ST	8011624	
302603.16	4020700.01	0.00565	110.87	110.87	1.2	24-HR	ALL	1ST	8010724	
302618.08	4020735.35	0.00569	111.21	111.21	1.2	24-HR	ALL	1ST	9010324	
302632.99	4020770.68	0.00649	111.25	111.25	1.2	24-HR	ALL	1ST	9010324	
302057.09	4020244.89	0.00386	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	

AERMOD (21112): G:\0014.010 \Op Benzene\Op Benzene.i sc 5/29/2022
AERMET (1808 1): 10:49:03

MODELING OPT	ONS USED: Reg	DFAULT CONC E	LEV FLGP	OL URBAN	ADJ_U*					
PLOT	FILE OF ANNUAL	VALUES AVERAGED	ACROSS	4 YEARS	FOR SOUR	CE GROUP	: ALL			
FORMA	T: (3(1X,F8.2),2X,	A6,2X,A8,	2X,I8,8,2	X,A8)						
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS		
302268.08	4020737.39	0.00246	110.34	110.34	1.2	ANNUAL	ALL	4		
302283	4020772.73	0.00235	110.34	110.34	1.2	ANNUAL	ALL	4		
302297.92	4020808.06	0.00215	110.5	110.5	1.2	ANNUAL	ALL	4		
302095.52	4020559.24	0.00123	110.03	110.03	1.2	ANNUAL	ALL	4		
302131.09	4020573.61	0.0014	110.03	110.03	1.2	ANNUAL	ALL	4		
302166.65	4020587.99	0.00161	110.03	110.03	1.2	ANNUAL	ALL	4		
302288.25	4020666.43	0.00205	110.34	110.34	1.2	ANNUAL	ALL	4		
302303.16	4020701.77	0.00209	110.34	110.34	1.2	ANNUAL	ALL	4		
302318.08	4020737.1	0.00203	110.34	110.34	1.2	ANNUAL	ALL	4		
302333	4020772.44	0.00188	110.64	110.64	1.2	ANNUAL	ALL	4		
302347.92	4020807.77	0.00173	110.64	110.64	1.2	ANNUAL	ALL	4		
302059.96	4020544.87	0.00107	109.83	109.83	1.2	ANNUAL	ALL	4		
302021.58	4020545.24	0.00098	109.73	109.73	1.2	ANNUAL	ALL	4		
301983.19	4020545.61	0.00088	109.73	109.73	1.2	ANNUAL	ALL	4		
302095.05	4020509.25	0.00099	110.03	110.03	1.2	ANNUAL	ALL	4		
302130.61	4020523.62	0.00111	110.03	110.03	1.2	ANNUAL	ALL	4		
302166.17	4020537.99	0.00126	110.03	110.03	1.2	ANNUAL	ALL	4		
302201.73	4020552.36	0.00143	110.03	110.03	1.2	ANNUAL	ALL	4		
302237.29	4020566.73	0.00158	110.03	110.03	1.2	ANNUAL	ALL	4		
302272.85	4020581.1	0.00166	110.14	110.14	1.2	ANNUAL	ALL	4		
302323.33	4020630.8	0.00176	110.34	110.34	1.2	ANNUAL	ALL	4		
302338.25	4020666.14	0.00181	110.34	110.34	1.2	ANNUAL	ALL	4		
302353.16	4020701.47	0.00177	110.59	110.59	1.2	ANNUAL	ALL	4		
302368.08	4020736.81	0.00166	110.64	110.64	1.2	ANNUAL	ALL	4		
302383	4020772.14	0.00153	110.64	110.64	1.2	ANNUAL	ALL	4		
302059.48	4020494.88	0.00087	109.83	109.83	1.2	ANNUAL	ALL	4		
302021.1	4020495.24	0.00079	109.73	109.73	1.2	ANNUAL	ALL	4		
301982.71	4020495.61	0.00072	109.73	109.73	1.2	ANNUAL	ALL	4		
301944.33	4020495.98	0.00065	109.73	109.73	1.2	ANNUAL	ALL	4		
301905.94	4020496.35	0.00058	109.73	109.73	1.2	ANNUAL	ALL	4		
301867.55	4020496.72	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4		
302094.57	4020459.25	0.00081	110.03	110.03	1.2	ANNUAL	ALL	4		
302130.13	4020473.62	0.00091	110.03	110.03	1.2	ANNUAL	ALL	4		
302165.69	4020487.99	0.00101	110.03	110.03	1.2	ANNUAL	ALL	4		
302201.25	4020502.36	0.00114	110.03	110.03	1.2	ANNUAL	ALL	4		
302236.81	4020516.73	0.00128	110.03	110.03	1.2	ANNUAL	ALL	4		
302272.37	4020531.1	0.00139	110.03	110.03	1.2	ANNUAL	ALL	4		
302307.93	4020545.47	0.00146	110.14	110.14	1.2	ANNUAL	ALL	4		
302358.41	4020595.18	0.00153	110.34	110.34	1.2	ANNUAL	ALL	4		
302373.33	4020630.51	0.00157	110.34	110.34	1.2	ANNUAL	ALL	4		
302388.24	4020665.85	0.00156	110.52	110.52	1.2	ANNUAL	ALL	4		
302403.16	4020701.18	0.00148	110.64	110.64	1.2	ANNUAL	ALL	4		
302418.08	4020736.52	0.00138	110.64	110.64	1.2	ANNUAL	ALL	4		
302433	4020771.85	0.00127	110.88	110.88	1.2	ANNUAL	ALL	4		
302059.01	4020444.88	0.00071	109.82	109.82	1.2	ANNUAL	ALL	4		
302020.62	4020445.25	0.00065	109.73	109.73	1.2	ANNUAL	ALL	4		
301982.23	4020445.61	0.0006	109.73	109.73	1.2	ANNUAL	ALL	4		
301943.85	4020445.98	0

302018.7	4020245.26	0.03106	109.73	109.73	1.2	1-HR	ALL	1ST	8120116	302018.7	4020245.26	0.00351	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	302018.7	4020245.26	0.00036	109.73	109.73	1.2	ANNUAL	ALL	4
301980.32	4020245.62	0.03004	109.73	109.73	1.2	1-HR	ALL	1ST	8120403	301980.32	4020245.62	0.00341	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	301980.32	4020245.62	0.00034	109.73	109.73	1.2	ANNUAL	ALL	4
301941.93	4020245.99	0.03004	109.73	109.73	1.2	1-HR	ALL	1ST	10121202	301941.93	4020245.99	0.00327	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	301941.93	4020245.99	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4
301903.54	4020246.36	0.02995	109.73	109.73	1.2	1-HR	ALL	1ST	9122722	301903.54	4020246.36	0.00292	109.73	109.73	1.2	24-HR	ALL	1ST	7022324	301903.54	4020246.36	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4
301865.16	4020246.73	0.03015	109.73	109.73	1.2	1-HR	ALL	1ST	9012419	301865.16	4020246.73	0.0028	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301865.16	4020246.73	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4
302091.69	4020159.26	0.02472	109.73	109.73	1.2	1-HR	ALL	1ST	9121102	302091.69	4020159.26	0.00322	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	302091.69	4020159.26	0.00033	109.73	109.73	1.2	ANNUAL	ALL	4
302127.25	4020173.63	0.02535	109.73	109.73	1.2	1-HR	ALL	1ST	8011004	302127.25	4020173.63	0.00292	109.73	109.73	1.2	24-HR	ALL	1ST	10121124	302127.25	4020173.63	0.00036	109.73	109.73	1.2	ANNUAL	ALL	4
302162.81	4020188	0.02545	109.73	109.73	1.2	1-HR	ALL	1ST	7120821	302162.81	4020188	0.00362	109.73	109.73	1.2	24-HR	ALL	1ST	10121124	302162.81	4020188	0.00039	109.73	109.73	1.2	ANNUAL	ALL	4
302198.37	4020202.37	0.02446	109.73	109.73	1.2	1-HR	ALL	1ST	7012518	302198.37	4020202.37	0.0043	109.73	109.73	1.2	24-HR	ALL	1ST	8011224	302198.37	4020202.37	0.00043	109.73	109.73	1.2	ANNUAL	ALL	4
302233.93	4020216.74	0.02518	109.73	109.73	1.2	1-HR	ALL	1ST	8011207	302233.93	4020216.74	0.005	109.73	109.73	1.2	24-HR	ALL	1ST	8011224	302233.93	4020216.74	0.00046	109.73	109.73	1.2	ANNUAL	ALL	4
302269.49	4020231.12	0.02538	109.73	109.73	1.2	1-HR	ALL	1ST	10120920	302269.49	4020231.12	0.00436	109.73	109.73	1.2	24-HR	ALL	1ST	8011224	302269.49	4020231.12	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4
302305.05	4020245.49	0.02507	109.73	109.73	1.2	1-HR	ALL	1ST	9022619	302305.05	4020245.49	0.00383	109.73	109.73	1.2	24-HR	ALL	1ST	8032124	302305.05	4020245.49	0.00053	109.73	109.73	1.2	ANNUAL	ALL	4
302340.62	4020259.86	0.02763	109.73	109.73	1.2	1-HR	ALL	1ST	9010707	302340.62	4020259.86	0.00408	109.73	109.73	1.2	24-HR	ALL	1ST	8032124	302340.62	4020259.86	0.00058	109.73	109.73	1.2	ANNUAL	ALL	4
302376.18	4020274.23	0.02695	109.73	109.73	1.2	1-HR	ALL	1ST	7121520	302376.18	4020274.23	0.0045	109.73	109.73	1.2	24-HR	ALL	1ST	7022824	302376.18	4020274.23	0.00063	109.73	109.73	1.2	ANNUAL	ALL	4
302411.74	4020288.6	0.0272	109.73	109.73	1.2	1-HR	ALL	1ST	10020922	302411.74	4020288.6	0.00477	109.73	109.73	1.2	24-HR	ALL	1ST	7022824	302411.74	4020288.6	0.00069	109.73	109.73	1.2	ANNUAL	ALL	4
302447.3	4020302.97	0.02708	109.73	109.73	1.2	1-HR	ALL	1ST	9120117	302447.3	4020302.97	0.00417	109.73	109.73	1.2	24-HR	ALL	1ST	7032524	302447.3	4020302.97	0.00073	109.73	109.73	1.2	ANNUAL	ALL	4
302482.86	4020317.34	0.02655	109.73	109.73	1.2	1-HR	ALL	1ST	7022024	302482.86	4020317.34	0.00444	109.73	109.73	1.2	24-HR	ALL	1ST	7032524	302482.86	4020317.34	0.00076	109.73	109.73	1.2	ANNUAL	ALL	4
302518.42	4020331.71	0.0282	109.97	109.97	1.2	1-HR	ALL	1ST	9010609	302518.42	4020331.71	0.00423	109.97	109.97	1.2	24-HR	ALL	1ST	7032524	302518.42	4020331.71	0.00077	109.97	109.97	1.2	ANNUAL	ALL	4
302568.9	4020381.41	0.02581	110.04	110.04	1.2	1-HR	ALL	1ST	8121617	302568.9	4020381.41	0.00523	110.04	110.04	1.2	24-HR	ALL	1ST	9122824	302568.9	4020381.41	0.00079	110.04	110.04	1.2	ANNUAL	ALL	4
302583.81	4020416.75	0.0266	110.29	110.29	1.2	1-HR	ALL	1ST	8122206	302583.81	4020416.75	0.00524	110.29	110.29	1.2	24-HR	ALL	1ST	9122824	302583.81	4020416.75	0.00081	110.29	110.29	1.2	ANNUAL	ALL	4
302598.73	4020452.08	0.02717	110.34	110.34	1.2	1-HR	ALL	1ST	9120317	302598.73	4020452.08	0.00547	110.34	110.34	1.2	24-HR	ALL	1ST	7030924	302598.73	4020452.08	0.00083	110.34	110.34	1.2	ANNUAL	ALL	4
302613.65	4020487.42	0.02754	110.34	110.34	1.2	1-HR	ALL	1ST	10121217	302613.65	4020487.42	0.00591	110.34	110.34	1.2	24-HR	ALL	1ST	7030924	302613.65	4020487.42	0.00082	110.34	110.34	1.2	ANNUAL	ALL	4
302628.57	4020522.75	0.02828	110.34	110.34	1.2	1-HR	ALL	1ST	7120417	302628.57	4020522.75	0.00544	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	302628.57	4020522.75	0.0008	110.34	110.34	1.2	ANNUAL	ALL	4
302643.49	4020558.09	0.02838	110.34	110.34	1.2	1-HR	ALL	1ST	7021218	302643.49	4020558.09	0.00557	110.34	110.34	1.2	24-HR	ALL	1ST	8011624	302643.49	4020558.09	0.00076	110.34	110.34	1.2	ANNUAL	ALL	4
302658.4	4020593.42	0.02792	110.34	110.34	1.2	1-HR	ALL	1ST	7120420	302658.4	4020593.42	0.00597	110.34	110.34	1.2	24-HR	ALL	1ST	8011624	302658.4	4020593.42	0.00072	110.34	110.34	1.2	ANNUAL	ALL	4
302673.32	4020628.76	0.02732	110.36	110.36	1.2	1-HR	ALL	1ST	8021908	302673.32	4020628.76	0.00478	110.36	110.36	1.2	24-HR	ALL	1ST	8011624	302673.32	4020628.76	0.00068	110.36	110.36	1.2	ANNUAL	ALL	4
302688.24	4020664.09	0.02838	110.46	110.46	1.2	1-HR	ALL	1ST	8020517	302688.24	4020664.09	0.00474	110.46	110.46	1.2	24-HR	ALL	1ST	8010724	302688.24	4020664.09	0.00065	110.46	110.46	1.2	ANNUAL	ALL	4
302703.16	4020699.43	0.02751	110.41	110.41	1.2	1-HR	ALL	1ST	8021218	302703.16	4020699.43	0.00469	110.41	110.41	1.2	24-HR	ALL	1ST	9010324	302703.16	4020699.43	0.00062	110.41	110.41	1.2	ANNUAL	ALL	4
302718.07	4020734.76	0.02787	110.45	110.45	1.2	1-HR	ALL	1ST	7012217	302718.07	4020734.76	0.00539	110.45	110.45	1.2	24-HR	ALL	1ST	9010324	302718.07	4020734.76	0.00058	110.45	110.45	1.2	ANNUAL	ALL	4
302732.99	4020770.09	0.02722	110.48	110.48	1.2	1-HR	ALL	1ST	9012308	302732.99	4020770.09	0.00548	110.48	110.48	1.2	24-HR	ALL	1ST	9010324	302732.99	4020770.09	0.00055	110.48	110.48	1.2	ANNUAL	ALL	4
302056.13	4020144.89	0.02482	109.73	109.73	1.2	1-HR	ALL	1ST	9121924	302056.13	4020144.89	0.00317	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	302056.13	4020144.89	0.0003	109.73	109.73	1.2	ANNUAL	ALL	4
302017.74	4020145.26	0.02733	109.73	109.73	1.2	1-HR	ALL	1ST	8120116	302017.74	4020145.26	0.00266	109.73	109.73	1.2	24-HR	ALL	1ST	10030824	302017.74	4020145.26	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4
301979.36	4020145.63	0.02527	109.73	109.73	1.2	1-HR	ALL	1ST	8120403	301979.36	4020145.63	0.00295	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	301979.36	4020145.63	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4
301940.97	4020146	0.02557	109.73	109.73	1.2	1-HR	ALL	1ST	10121202	301940.97	4020146	0.0026	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	301940.97	4020146	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301902.59	4020146.36	0.02546	109.73	109.73	1.2	1-HR	ALL	1ST	9122722	301902.59	4020146.36	0.00246	109.73	109.73	1.2	24-HR	ALL	1ST	7022324	301902.59	4020146.36	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301864.2	4020146.73	0.02562	109.73	109.73	1.2	1-HR	ALL	1ST	9012419	301864.2	4020146.73	0.00225	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301864.2	4020146.73	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4
302090.73	4020059.27	0.02165	109.73	109.73	1.2	1-HR	ALL	1ST	9121102	302090.73	4020059.27	0.00282	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	302090.73	4020059.27	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4
302126.29	4020073.64	0.02195	109.73	109.73	1.2	1-HR	ALL	1ST	10010606	302126.29	4020073.64	0.00266	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	302126.29	4020073.64	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4
302161.85	4020088.01	0.02154	109.73	109.73	1.2	1-HR	ALL	1ST	8011004	302161.85	4020088.01	0.00269	109.73	109.73	1.2	24-HR	ALL	1ST	10121124	302161.85	4020088.01	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4
302197.41	4020102.38	0.02219	109.73	109.73	1.2	1-HR	ALL	1ST	7120821	302197.41	4020102.38	0.00315	109.73	109.73	1.2	24-HR	ALL	1ST	10121124	302197.41	4020102.38	0.00033	109.73	109.73	1.2	ANNUAL	ALL	4
302232.97	4020116.75	0.02134	109.73	109.73	1.2	1-HR	ALL	1ST	8122017	302232.97	4020116.75	0.00375	109.73	109.73	1.2	24-HR	ALL	1ST	8011224	302232.97	4020116.75	0.00036	109.73	109.73	1.2	ANNUAL	ALL	4
302268.54	4020131.12	0.02201	109.73	109.73	1.2	1-HR	ALL	1ST	8011207	302268.54	4020131.12	0.00432	109.73	109.73	1.2	24-HR	ALL	1ST	8011224	302268.54	4020131.12	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4
302304.1	4020145.49	0.02221	109.73	109.73	1.2	1-HR	ALL	1ST	10021001	302304.1	4020145.49	0.00386	109.73	109.73	1.2	24-HR	ALL	1ST	8011224	302304.1	4020145.49	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4
302339.66	4020159.86	0.02234	109.73	109.73	1.2	1-HR	ALL	1ST	9022619	302339.66	4020159.86	0.00321	109.73	109.73	1.2	24-HR	ALL	1ST	7021224	302339.66	4020159.86	0.00044	109.73	109.73	1.2	ANNUAL	ALL	4
302375.22	4020174.23	0.02263	109.73	109.73	1.2	1-HR	ALL	1ST	9010707	302375.22	4020174.23	0.00347	109.73	109.73	1.2	24-HR	ALL	1ST	8032124	302375.22	4020174.23	0.00047	109.73	109.73	1.2	ANNUAL	ALL	4
302410.78	4020188.6	0.02413	109.73	109.73	1.2	1-HR	ALL	1ST	7121520	302410.78	4020188.6	0.0035	109.73	109.73	1.2	24-HR	ALL	1ST	7022824	302410.78	4020188.6	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4
302446.34	4020202.97	0.02407	109.73	109.73	1.2	1-HR	ALL	1ST	10012622	302446.34	4020202.97	0.00411	109.73	109.73	1.2	24-HR	ALL	1ST	7022824	302446.34	4020202.97	0.00056	109.73	109.73	1.2	ANNUAL	ALL	4
302481.9	4020217.34	0.02371	109.73	109.73	1.2	1-HR	ALL	1ST	8011120	302481.9	4020217.34	0.00393	109.73	109.73	1.2	24-HR	ALL	1ST	7022824	302481.9	4020217.34	0.00059	109.73	109.73	1.2	ANNUAL	ALL	4
302517.46	4020231.71	0.02354	109.91	109.91	1.2	1-HR	ALL	1ST	9120117	302517.46	4020231.71	0.0037	109.91	109.91	1.2	24-HR	ALL	1ST	7032524	302517.46	4020231.71	0.00062	109.91	109.91	1.2	ANNUAL	ALL	4
302553.02	4020246.08	0.02292	110.03	110.03	1.2	1-HR	ALL	1ST	7022024	302553.02	4020246.08	0.00379	110.03	110.03	1.2	24-HR	ALL	1ST	7032524	302553.02	4020246.08	0.00064	110.03	110.03	1.2	ANNUAL	ALL	4
302588.58	4020260.45	0.02437	110.03	110.03	1.2	1-HR	ALL	1ST	9010609	302588.58	4020260.45	0.00357	110.03	110.03	1.2	24-HR	ALL	1ST	7032524	302588.58	4020260.45	0.00065	110.03	110.03	1.2	ANNUAL	ALL	4
302639.06	4020310.16	0.02258	110.03	110.03	1.2	1-HR	ALL	1ST	8121617	302639.06	4020310.16	0.00444	110.03	110.03	1.2	24-HR	ALL	1ST	9122824	302639.06	4020310.16	0.00067	110.03	110.03	1.2	ANNUAL	ALL	4
302653.98	4020345.49	0.02301	110.03	110.03	1.2	1-HR	ALL	1ST	7010617	302653.98	4020345.49	0.00456	110.03	110.03	1.2	24-HR	ALL	1ST	9122824	302653.98	4020345.49	0.00068	110.03	110.03	1.2	ANNUAL	ALL	4
302668.9	4020380.83	0.02331	109.86	109.86	1.2	1-HR	ALL	1ST	9120317	302668.9	4020380.83	0.0046	109.86	109.86	1.2	24-HR	ALL	1ST	8020124	302668.9	4020380.83	0.0007	109.86	109.86	1.2	ANNUAL	ALL	4
302683.81	4020416.16	0.02365	109.91	109.91	1.2	1-HR	ALL	1ST	10022723	302683.81	4020416.16	0.0051	109.91	109.91	1.2	24-HR	ALL	1ST	7030924	302683.81	4020416.16	0.0007	109.91	109.91	1.2	ANNUAL	ALL	4
302698.73	4020451.5	0.02436	109.51	109.51	1.2	1-HR	ALL	1ST	9012219	302698.73	4020451.5	0.0048	109.51	109.51	1.2	24-HR	ALL	1ST	7030924	302698.73	4020451.5	0.00068	109.51	109.51	1.2	ANNUAL	ALL	4
302713.65	4020486.83	0.02467	109.33	109.33	1.2	1-HR	ALL	1ST	10021822	302713.65	4020486.83	0.00461	109.33	109.33	1.2	24-HR	ALL	1ST	8010724	302713.65	4020486.83	0.00066	109.33	109.33	1.2	ANNUAL	ALL	4
302728.57	4020522.17	0.02475	109.42	109.42	1.2	1-HR	ALL	1ST	9013018	302728.57	4020522.17	0.00512	109.42	109.42	1.2	24-HR	ALL	1ST	8011624	302728.57	4020522.17	0.00063	109.42	109.42	1.2	ANNUAL	ALL	4
302743.48	4020557.5	0.02354	109.92	109.92	1.2	1-HR	ALL	1ST	9120118	302743.48	4020557.5	0.00502	109.92	109.92	1.2	24-HR	ALL	1ST	8011624	302743.48	4020557.5	0.0006	109.92	109.92	1.2	ANNUAL	ALL	4
302758.4	4020592.84	0.02387	110.23	110.23	1.2	1-HR	ALL	1ST	8022318	302758.4	4020592.84	0.00404	110.23	110.23	1.2	24-HR	ALL	1ST	8010724	302758.4	4020592.84	0.00057	110.23	110.23	1.2	ANNUAL	ALL	4
302773.32	4020628.17	0.02491	110.31	110.31	1.2	1-HR	ALL	1ST	8020517	302773.32	4020628.17	0.00404	110.31	110.31	1.2	24-HR	ALL	1ST	8010724	302773.32	4020628.17	0.00054	110.31	110.31	1.2	ANNUAL	ALL	4
302788.24	4020663.51	0.02416	109.85	109.85	1.2	1-HR	ALL	1ST	8020517	302788.24	4020663.51	0.00394	109.85	109.85	1.2	24-HR	ALL	1ST	9010324	302788.24	4020663.51	0.00052	109.85	109.85	1.2	ANNUAL	ALL	4
302803.16	4020698.84	0.02415	109.33	109.33	1.2	1-HR	ALL	1ST	7012217	302803.16	4020698.84	0.00454	109.33	109.33	1.2	24-HR	ALL	1ST	9010324	302803.16	4020698.84	0.0005	109.33	109.33	1.2	ANNUAL	ALL	4
302818.07	4020734.17	0.02393	109.49	109.49	1.2	1-HR	ALL	1ST	9012308	302818.07	4020734.17	0.00474	109.49	109.49	1.2	24-HR	ALL	1ST	9010324	302818.07	4020734.17	0.00047	109.49	109.49	1.2	ANNUAL	ALL	4
302832.99	4020769.51	0.02359	110.03	110.03	1.2	1-HR	ALL	1ST	9011819	302832.99	4020769.51	0.0044	110.03	110.03	1.2	24-HR	ALL	1ST	9010324	302832.99	4020769.51	0.00044	110.03	110.03	1.2	ANNUAL	ALL	4
302055.17	4020044.9	0.02205	109.73	109.73	1.2	1-HR	ALL	1ST	8120116	302055.17	4020044.9	0.00254	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	302055.17	4020044.9	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
302016.78	4020045.26	0.02285	109.73	109.73	1.2	1-HR	ALL	1ST	8120116	302016.78	4020045.26	0.00227	109.73	109.73	1.2	24-HR	ALL	1ST	10030824	302016.78	4020045.26	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301978.4	4020045.63	0.02192	109.73	109.73	1.2	1-HR	ALL	1ST	8012222	301978.4	4020045.63	0.00254	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	301978.4	4020045.63	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
301940.01	4020046	0.02193	109.73	109.73	1.2	1-HR	ALL	1ST	10121202	301940.01	4020046	0.00211	109.73	109.73	1.2	24-HR	ALL	1ST	7040224	301940.01	4020046	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301901.63	4020046.37	0.022	109.73	109.73	1.2	1-HR	ALL	1ST	9122722	301901.63	4020046.37	0.00211	109.73	109.73	1.2	24-HR	ALL	1ST	7022324	301901.63	4020046.37	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301863.24	4020046.74	0.0221	109.73	109.73	1.2	1-HR	ALL	1ST	9012419	301863.24	4020046.74	0.00188	109.73	109.73	1.2	24-HR	ALL	1ST	7022324	301863.24	4020046.74	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301739.2	4020826.55	0.13639	109.73	109.73	1.2	1-HR	ALL	1ST	10020608	301739.2	4020826.55	0.01186	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301739.2	4020826.55	0.00126	109.73	109.73	1.2	ANNUAL	ALL	4
301746.57	4020808.64	0.12907	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301746.57	4020808.64	0.00943	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301746.57	4020808.64	0.00116	109.73	109.73	1.2	ANNUAL	ALL	4
301753.94	4020790.72	0.11945	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301753.94	4020790.72	0.01166	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301753.94	4020790.72	0.00108	109.73	109.73	1.2	ANNUAL	ALL	4
301734.07	4020790.4	0.11603	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301734.07	4020790.4	0.00832	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301734.07	4020790.4	0.001	109.73	109.73	1.2	ANNUAL	ALL	4
301741.48	4020772.39	0.10722	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301741.48	4020772.39	0.01038	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301741.48	4020772.39	0.00094	109.73	109.73	1.2	ANNUAL	ALL	4
301748.89	4020754.37	0.10373	109.73	109.73	1.2	1-HR	ALL	1ST	8121518	301748.89	4020754.37	0.01041	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301748.89	4020754.37	0.0009	109.73	109.73	1.2	ANNUAL	ALL	4
301699.29	4020826.34	0.11962	109.73	109.73	1.2	1-HR	ALL	1ST	10120801	301699.29	4020826.34	0.01743	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301699.29	4020826.34	0.00111	109.73	109.73	1.2	ANNUAL	ALL	4
301706.73	4020808.25	0.11485	109.73	109.73	1.2	1-HR	ALL	1ST	7021603	301706.73	4020808.25	0.01295	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301706.73	4020808.25	0.00102	109.73	109.73	1.2	ANNUAL	ALL	4
301736.51	4020735.87	0.09431	109.73	109.73	1.2	1-HR	ALL	1ST	8121518	301736.51	4020735.87	0.00951	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301736.51	4020735.87	0.00079	109.73	109.73	1.2	ANNUAL	ALL	4
301745.28	4020719.08	0.08955	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301745.28	4020719.08	0.00991	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301745.28	4020719.08	0.00077	109.73	109.73	1.2	ANNUAL	ALL	4
301647.73	4020831.28	0.10258	109.73	109.73	1.2	1-HR	ALL	1ST	10013004	301647.73	4020831.28	0.01702	109.73	109.73	1.2	24-HR	ALL	1ST	9121824	301647.73	4020831.28	0.00095	109.73	109.73	1.2	ANNUAL	ALL	4
301679.18	4020826.59	0.1172	109.73	109.73	1.2	1-HR	ALL	1ST	7122609	301679.18	4020826.59	0.01626	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301679.18	4020826.59	0.00104	109.73	109.73	1.2	ANNUAL	ALL	4
301686.53	4020808.72	0.10897	109.73	109.73	1.2	1-HR	ALL	1ST	10121205	301686.53	4020808.72	0.01534	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301686.53	4020808.72	0.00097	109.73	109.73	1.2	ANNUAL	ALL	4
301691.28	4020780.42	0.10034	109.73	109.73	1.2	1-HR	ALL	1ST	7021521	301691.28	4020780.42	0.00941	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301691.28	4020780.42	0.00084	109.73	109.73	1.2	ANNUAL	ALL	4
301680.39	4020763.59	0.09189	109.73	109.73	1.2	1-HR	ALL	1ST	7021521	301680.39	4020763.59	0.00843	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301680.39	4020763.59	0.00075	109.73	109.73	1.2	ANNUAL	ALL	4
301687.74	4020745.72	0.08899	109.73	109.73	1.2	1-HR	ALL	1ST	8022504	301687.74	4020745.72	0.00628	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301687.74	4020745.72	0.0007	109.73	109.73	1.2	ANNUAL	ALL	4
301733.26	4020698.34	0.08123	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301733.26	4020698.34	0.00875	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301733.26	4020698.34	0.00068	109.73	109.73	1.2	ANNUAL	ALL	4
301731.25	4020681.96	0.07816	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301731.25	4020681.96	0.00865	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301731.25	4020681.96	0.00064	109.73	109.73	1.2

301645.75	4020664.78	0.06524	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301645.75	4020664.78	0.00426	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301645.75	4020664.78	0.00046	109.73	109.73	1.2	ANNUAL	ALL	4
301653.14	4020646.82	0.05734	109.73	109.73	1.2	1-HR	ALL	1ST	8120818	301653.14	4020646.82	0.00529	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301653.14	4020646.82	0.00044	109.73	109.73	1.2	ANNUAL	ALL	4
301666.71	4020631.81	0.06174	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301666.71	4020631.81	0.00606	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301666.71	4020631.81	0.00044	109.73	109.73	1.2	ANNUAL	ALL	4
301684.61	4020624.24	0.06146	109.73	109.73	1.2	1-HR	ALL	1ST	9010403	301684.61	4020624.24	0.0059	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301684.61	4020624.24	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4
301702.5	4020616.68	0.06204	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301702.5	4020616.68	0.00676	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301702.5	4020616.68	0.00047	109.73	109.73	1.2	ANNUAL	ALL	4
301720.4	4020609.11	0.06827	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301720.4	4020609.11	0.00764	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301720.4	4020609.11	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4
301738.29	4020601.55	0.06093	109.73	109.73	1.2	1-HR	ALL	1ST	7122304	301738.29	4020601.55	0.00716	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301738.29	4020601.55	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4
301529.28	4020826.36	0.07212	109.42	109.42	1.2	1-HR	ALL	1ST	8022123	301529.28	4020826.36	0.0114	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301529.28	4020826.36	0.00062	109.42	109.42	1.2	ANNUAL	ALL	4
301536.71	4020808.29	0.07141	109.42	109.42	1.2	1-HR	ALL	1ST	8021807	301536.71	4020808.29	0.0127	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301536.71	4020808.29	0.0006	109.42	109.42	1.2	ANNUAL	ALL	4
301544.15	4020790.21	0.07113	109.42	109.42	1.2	1-HR	ALL	1ST	7011009	301544.15	4020790.21	0.01287	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301544.15	4020790.21	0.00058	109.42	109.42	1.2	ANNUAL	ALL	4
301551.59	4020772.13	0.06813	109.42	109.42	1.2	1-HR	ALL	1ST	7011009	301551.59	4020772.13	0.01171	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301551.59	4020772.13	0.00057	109.42	109.42	1.2	ANNUAL	ALL	4
301559.02	4020754.06	0.07028	109.42	109.42	1.2	1-HR	ALL	1ST	9121816	301559.02	4020754.06	0.00957	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301559.02	4020754.06	0.00055	109.42	109.42	1.2	ANNUAL	ALL	4
301566.46	4020735.98	0.06657	109.42	109.42	1.2	1-HR	ALL	1ST	7122609	301566.46	4020735.98	0.00863	109.42	109.42	1.2	24-HR	ALL	1ST	10121724	301566.46	4020735.98	0.00052	109.42	109.42	1.2	ANNUAL	ALL	4
301573.9	4020717.9	0.06677	109.42	109.42	1.2	1-HR	ALL	1ST	7122609	301573.9	4020717.9	0.00916	109.42	109.42	1.2	24-HR	ALL	1ST	10121724	301573.9	4020717.9	0.0005	109.42	109.42	1.2	ANNUAL	ALL	4
301581.34	4020699.82	0.06325	109.45	109.45	1.2	1-HR	ALL	1ST	10121205	301581.34	4020699.82	0.00852	109.45	109.45	1.2	24-HR	ALL	1ST	10121724	301581.34	4020699.82	0.00047	109.45	109.45	1.2	ANNUAL	ALL	4
301588.77	4020681.75	0.06123	109.59	109.59	1.2	1-HR	ALL	1ST	7021603	301588.77	4020681.75	0.00669	109.59	109.59	1.2	24-HR	ALL	1ST	10121724	301588.77	4020681.75	0.00045	109.59	109.59	1.2	ANNUAL	ALL	4
301596.21	4020663.67	0.05922	109.71	109.71	1.2	1-HR	ALL	1ST	7021521	301596.21	4020663.67	0.0053	109.71	109.71	1.2	24-HR	ALL	1ST	7021524	301596.21	4020663.67	0.00042	109.71	109.71	1.2	ANNUAL	ALL	4
301603.65	4020645.59	0.0581	109.73	109.73	1.2	1-HR	ALL	1ST	8010721	301603.65	4020645.59	0.00404	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301603.65	4020645.59	0.0004	109.73	109.73	1.2	ANNUAL	ALL	4
301611.08	4020627.52	0.05685	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301611.08	4020627.52	0.00375	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301611.08	4020627.52	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4
301618.52	4020609.44	0.05132	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301618.52	4020609.44	0.00404	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301618.52	4020609.44	0.00037	109.73	109.73	1.2	ANNUAL	ALL	4
301631.24	4020596.6	0.05239	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301631.24	4020596.6	0.0049	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301631.24	4020596.6	0.00036	109.73	109.73	1.2	ANNUAL	ALL	4
301649.25	4020588.99	0.0532	109.73	109.73	1.2	1-HR	ALL	1ST	8121518	301649.25	4020588.99	0.00536	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301649.25	4020588.99	0.00037	109.73	109.73	1.2	ANNUAL	ALL	4
301667.25	4020581.38	0.05388	109.73	109.73	1.2	1-HR	ALL	1ST	9010403	301667.25	4020581.38	0.00495	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301667.25	4020581.38	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4
301685.26	4020573.77	0.05404	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301685.26	4020573.77	0.00596	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301685.26	4020573.77	0.0004	109.73	109.73	1.2	ANNUAL	ALL	4
301703.26	4020566.16	0.06003	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301703.26	4020566.16	0.00666	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301703.26	4020566.16	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4
301721.27	4020558.55	0.05327	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301721.27	4020558.55	0.00624	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301721.27	4020558.55	0.00043	109.73	109.73	1.2	ANNUAL	ALL	4
301739.27	4020550.94	0.05433	109.73	109.73	1.2	1-HR	ALL	1ST	10022519	301739.27	4020550.94	0.00596	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301739.27	4020550.94	0.00044	109.73	109.73	1.2	ANNUAL	ALL	4
301471.84	4020844.45	0.06304	109.42	109.42	1.2	1-HR	ALL	1ST	9012321	301471.84	4020844.45	0.01145	109.42	109.42	1.2	24-HR	ALL	1ST	10122024	301471.84	4020844.45	0.00058	109.42	109.42	1.2	ANNUAL	ALL	4
301479.25	4020826.43	0.0646	109.42	109.42	1.2	1-HR	ALL	1ST	9022108	301479.25	4020826.43	0.01061	109.42	109.42	1.2	24-HR	ALL	1ST	10011624	301479.25	4020826.43	0.00054	109.42	109.42	1.2	ANNUAL	ALL	4
301486.66	4020808.42	0.06242	109.42	109.42	1.2	1-HR	ALL	1ST	7012002	301486.66	4020808.42	0.00939	109.42	109.42	1.2	24-HR	ALL	1ST	10011624	301486.66	4020808.42	0.00052	109.42	109.42	1.2	ANNUAL	ALL	4
301494.07	4020790.4	0.06194	109.42	109.42	1.2	1-HR	ALL	1ST	8021807	301494.07	4020790.4	0.01055	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301494.07	4020790.4	0.0005	109.42	109.42	1.2	ANNUAL	ALL	4
301501.48	4020772.39	0.06039	109.42	109.42	1.2	1-HR	ALL	1ST	9022719	301501.48	4020772.39	0.01105	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301501.48	4020772.39	0.00049	109.42	109.42	1.2	ANNUAL	ALL	4
301508.89	4020754.37	0.06279	109.42	109.42	1.2	1-HR	ALL	1ST	7011009	301508.89	4020754.37	0.01059	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301508.89	4020754.37	0.00048	109.42	109.42	1.2	ANNUAL	ALL	4
301516.31	4020736.36	0.05869	109.42	109.42	1.2	1-HR	ALL	1ST	10013004	301516.31	4020736.36	0.0093	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301516.31	4020736.36	0.00047	109.42	109.42	1.2	ANNUAL	ALL	4
301523.72	4020718.34	0.06184	109.42	109.42	1.2	1-HR	ALL	1ST	9121816	301523.72	4020718.34	0.00745	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301523.72	4020718.34	0.00045	109.42	109.42	1.2	ANNUAL	ALL	4
301531.13	4020700.33	0.05901	109.42	109.42	1.2	1-HR	ALL	1ST	7122609	301531.13	4020700.33	0.00749	109.42	109.42	1.2	24-HR	ALL	1ST	10121724	301531.13	4020700.33	0.00043	109.42	109.42	1.2	ANNUAL	ALL	4
301538.54	4020682.31	0.05709	109.42	109.42	1.2	1-HR	ALL	1ST	7122609	301538.54	4020682.31	0.00787	109.42	109.42	1.2	24-HR	ALL	1ST	10121724	301538.54	4020682.31	0.00042	109.42	109.42	1.2	ANNUAL	ALL	4
301545.95	4020664.3	0.05489	109.56	109.56	1.2	1-HR	ALL	1ST	10121205	301545.95	4020664.3	0.00734	109.56	109.56	1.2	24-HR	ALL	1ST	10121724	301545.95	4020664.3	0.0004	109.56	109.56	1.2	ANNUAL	ALL	4
301553.36	4020646.28	0.05343	109.73	109.73	1.2	1-HR	ALL	1ST	8012224	301553.36	4020646.28	0.00592	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301553.36	4020646.28	0.00037	109.73	109.73	1.2	ANNUAL	ALL	4
301560.77	4020628.27	0.05222	109.73	109.73	1.2	1-HR	ALL	1ST	7021521	301560.77	4020628.27	0.00474	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301560.77	4020628.27	0.00036	109.73	109.73	1.2	ANNUAL	ALL	4
301568.19	4020610.25	0.05137	109.73	109.73	1.2	1-HR	ALL	1ST	10020608	301568.19	4020610.25	0.00381	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301568.19	4020610.25	0.00034	109.73	109.73	1.2	ANNUAL	ALL	4
301575.6	4020592.24	0.04976	109.73	109.73	1.2	1-HR	ALL	1ST	8022504	301575.6	4020592.24	0.00332	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301575.6	4020592.24	0.00033	109.73	109.73	1.2	ANNUAL	ALL	4
301583.01	4020574.22	0.04794	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301583.01	4020574.22	0.00305	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301583.01	4020574.22	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4
301597.93	4020560.48	0.04332	109.73	109.73	1.2	1-HR	ALL	1ST	8120818	301597.93	4020560.48	0.00394	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301597.93	4020560.48	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4
301615.87	4020552.89	0.04801	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301615.87	4020552.89	0.0046	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301615.87	4020552.89	0.00031	109.73	109.73	1.2	ANNUAL	ALL	4
301633.82	4020545.31	0.04816	109.73	109.73	1.2	1-HR	ALL	1ST	8121518	301633.82	4020545.31	0.00468	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301633.82	4020545.31	0.00032	109.73	109.73	1.2	ANNUAL	ALL	4
301651.76	4020537.72	0.04717	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301651.76	4020537.72	0.00449	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301651.76	4020537.72	0.00033	109.73	109.73	1.2	ANNUAL	ALL	4
301669.7	4020530.14	0.04849	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301669.7	4020530.14	0.0054	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301669.7	4020530.14	0.00034	109.73	109.73	1.2	ANNUAL	ALL	4
301687.64	4020522.56	0.05328	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301687.64	4020522.56	0.00588	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301687.64	4020522.56	0.00036	109.73	109.73	1.2	ANNUAL	ALL	4
301705.59	4020514.97	0.04731	109.73	109.73	1.2	1-HR	ALL	1ST	7122304	301705.59	4020514.97	0.00544	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301705.59	4020514.97	0.00037	109.73	109.73	1.2	ANNUAL	ALL	4
301723.53	4020507.39	0.048	109.73	109.73	1.2	1-HR	ALL	1ST	10022519	301723.53	4020507.39	0.00514	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301723.53	4020507.39	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4
301741.47	4020499.81	0.04794	109.73	109.73	1.2	1-HR	ALL	1ST	10010319	301741.47	4020499.81	0.00574	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301741.47	4020499.81	0.00039	109.73	109.73	1.2	ANNUAL	ALL	4
301759.42	4020492.22	0.04723	109.73	109.73	1.2	1-HR	ALL	1ST	9020703	301759.42	4020492.22	0.00592	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301759.42	4020492.22	0.0004	109.73	109.73	1.2	ANNUAL	ALL	4
301777.36	4020484.64	0.0479	109.73	109.73	1.2	1-HR	ALL	1ST	7011517	301777.36	4020484.64	0.00553	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301777.36	4020484.64	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4
301795.3	4020477.05	0.04652	109.73	109.73	1.2	1-HR	ALL	1ST	8011003	301795.3	4020477.05	0.00525	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301795.3	4020477.05	0.00041	109.73	109.73	1.2	ANNUAL	ALL	4
301813.25	4020469.47	0.04649	109.73	109.73	1.2	1-HR	ALL	1ST	8011717	301813.25	4020469.47	0.00578	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301813.25	4020469.47	0.00042	109.73	109.73	1.2	ANNUAL	ALL	4
301831.19	4020461.89	0.04441	109.73	109.73	1.2	1-HR	ALL	1ST	8011717	301831.19	4020461.89	0.00585	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301831.19	4020461.89	0.00043	109.73	109.73	1.2	ANNUAL	ALL	4
301371.84	4020844.44	0.05317	109.42	109.42	1.2	1-HR	ALL	1ST	9122909	301371.84	4020844.44	0.00837	109.42	109.42	1.2	24-HR	ALL	1ST	10122024	301371.84	4020844.44	0.00047	109.42	109.42	1.2	ANNUAL	ALL	4
301379.26	4020826.4	0.05108	109.42	109.42	1.2	1-HR	ALL	1ST	9122909	301379.26	4020826.4	0.00885	109.42	109.42	1.2	24-HR	ALL	1ST	10122024	301379.26	4020826.4	0.00044	109.42	109.42	1.2	ANNUAL	ALL	4
301386.68	4020808.36	0.04932	109.42	109.42	1.2	1-HR	ALL	1ST	9012321	301386.68	4020808.36	0.00861	109.42	109.42	1.2	24-HR	ALL	1ST	10122024	301386.68	4020808.36	0.00042	109.42	109.42	1.2	ANNUAL	ALL	4
301394.11	4020790.31	0.05089	109.42	109.42	1.2	1-HR	ALL	1ST	9022108	301394.11	4020790.31	0.00807	109.42	109.42	1.2	24-HR	ALL	1ST	10011624	301394.11	4020790.31	0.0004	109.42	109.42	1.2	ANNUAL	ALL	4
301401.53	4020772.27	0.04846	109.42	109.42	1.2	1-HR	ALL	1ST	7012002	301401.53	4020772.27	0.00738	109.42	109.42	1.2	24-HR	ALL	1ST	10011624	301401.53	4020772.27	0.00038	109.42	109.42	1.2	ANNUAL	ALL	4
301408.95	4020754.23	0.04865	109.42	109.42	1.2	1-HR	ALL	1ST	8022123	301408.95	4020754.23	0.00752	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301408.95	4020754.23	0.00037	109.42	109.42	1.2	ANNUAL	ALL	4
301416.38	4020736.18	0.04821	109.42	109.42	1.2	1-HR	ALL	1ST	8021807	301416.38	4020736.18	0.00819	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301416.38	4020736.18	0.00036	109.42	109.42	1.2	ANNUAL	ALL	4
301423.8	4020718.14	0.04686	109.42	109.42	1.2	1-HR	ALL	1ST	9022719	301423.8	4020718.14	0.00836	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301423.8	4020718.14	0.00036	109.42	109.42	1.2	ANNUAL	ALL	4
301431.23	4020700.09	0.04899	109.42	109.42	1.2	1-HR	ALL	1ST	7011009	301431.23	4020700.09	0.00797	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301431.23	4020700.09	0.00035	109.42	109.42	1.2	ANNUAL	ALL	4
301438.65	4020682.05	0.046	109.42	109.42	1.2	1-HR	ALL	1ST	10122118	301438.65	4020682.05	0.00715	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301438.65	4020682.05	0.00034	109.42	109.42	1.2	ANNUAL	ALL	4
301446.07	4020664.01	0.04782	109.42	109.42	1.2	1-HR	ALL	1ST	9121816	301446.07	4020664.01	0.00603	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301446.07	4020664.01	0.00033	109.42	109.42	1.2	ANNUAL	ALL	4
301453.5	4020645.96	0.04652	109.43	109.43	1.2	1-HR	ALL	1ST	9121816	301453.5	4020645.96	0.00533	109.43	109.43	1.2	24-HR	ALL	1ST	10121724	301453.5	4020645.96	0.00032	109.43	109.43	1.2	ANNUAL	ALL	4
301460.92	4020627.92	0.04685	109.5	109.5	1.2	1-HR	ALL	1ST	7122609	301460.92	4020627.92	0.00587	109.5	109.5	1.2	24-HR	ALL	1ST	10121724	301460.92	4020627.92	0.00031	109.5	109.5	1.2	ANNUAL	ALL	4
301468.34	4020609.87	0.04341	109.64	109.64	1.2	1-HR	ALL	1ST	10120801	301468.34	4020609.87	0.00604	109.64	109.64	1.2	24-HR	ALL	1ST	10121724	301468.34	4020609.87	0.0003	109.64	109.64	1.2	ANNUAL	ALL	4
301475.77	4020591.83	0.04274	109.72	109.72	1.2	1-HR	ALL	1ST	10121205	301475.77	4020591.83	0.00562	109.72	109.72	1.2	24-HR	ALL	1ST	10121724	301475.77	4020591.83	0.00029	109.72	109.72	1.2	ANNUAL	ALL	4
301483.19	4020573.79	0.04194	109.73	109.73	1.2	1-HR	ALL	1ST	8012224	301483.19	4020573.79	0.00465	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301483.19	4020573.79	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4
301490.61	4020555.74	0.04107	109.73	109.73	1.2	1-HR	ALL	1ST	7021521	301490.61	4020555.74	0.0038	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301490.61	4020555.74	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4
301498.04	4020537.7	0.04016	109.73	109.73	1.2	1-HR	ALL	1ST	10020608	301498.04	4020537.7	0.00326	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301498.04	4020537.7	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301505.46	4020519.66	0.03935	109.73	109.73	1.2	1-HR	ALL	1ST	8010721	301505.46	4020519.66	0.00257	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301505.46	4020519.66	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301512.88	4020501.61	0.03846	109.73	109.73	1.2	1-HR	ALL	1ST	8022504	301512.88	4020501.61	0.00203	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301512.88	4020501.61	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301526.9	4020490.1	0.0376	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301526.9	4020490.1	0.00237	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301526.9	4020490.1	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301544.87	4020482.5	0.0352	109.73	109.73	1.2	1-HR	ALL	1ST	8120818	301544.87	4020482.5	0.00305	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301544.87	4020482.5	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301562.84	4020474.91	0.03843	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301562.84	4020474.91	0.00358	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301562.84	4020474.91	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301580.81	4020467.31	0.03819	109.73	109.73	1.2	1-HR	ALL	1ST	8121518	301580.81	4020467.31	0.00379	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301580.81	4020467.31	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301598.79	4020459.71	0.03865	109.73	109.73	1.2	1-HR	ALL	1ST	9010403	301598.79	4020459.71	0.00356	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301598.79	4020459.71	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301616.76	4020452.12	0.0389	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301616.76	4020452.12	0.0037	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301616.76	4020452.12	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301634.73	4020444.52	0.04039	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301634.73	4020444.52	0.00438	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301634.73	4020444.52	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4
301652.7	4020436.93	0.04308	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301652.7	4020436.93	0.0047	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301652.7	4020436.93	0.00027	109.73	109.73	1.2	ANNUAL	ALL	4
301670.67	4020429.33	0.03811	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301670.67	4020429.33	0.00439	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301670.67	4020429.33	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4
301688.64	4020421.73	0.03868	109.73	109.73	1.2	1-HR	ALL	1ST	7011218	301688.64	4020421.73	0.00385	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301688.64	4020421.73	0.00028	109.73	109.73	1.2	ANNUAL	ALL	4
301706.62	4020414.14	0.03879	109.73	109.73	1.2	1-HR	ALL	1ST	10022519	301706.62	4020414.14	0.00436	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301706.62	4020414.14	0.00029	109.73	109.73	1.2	ANNUAL	ALL	4
301724.59	4020406.54	0.03704	109.73	109.73	1.2	1-HR	ALL	1ST	10010319	301724.59	4020406.54	0.00466	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301724.59	4020406.54	0.0003

301383.31	4020573.5	0.03704	109.69	109.69	1.2	1-HR	ALL	1ST	7122609	301383.31	4020573.5	0.0044	109.69	109.69	1.2	24-HR	ALL	1ST	10121724	301383.31	4020573.5	0.00024	109.69	109.69	1.2	ANNUAL	ALL	4
301390.74	4020555.43	0.03758	109.73	109.73	1.2	1-HR	ALL	1ST	7122609	301390.74	4020555.43	0.00476	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301390.74	4020555.43	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301398.17	4020537.37	0.03518	109.73	109.73	1.2	1-HR	ALL	1ST	10120801	301398.17	4020537.37	0.00483	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301398.17	4020537.37	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301405.6	4020519.31	0.03455	109.73	109.73	1.2	1-HR	ALL	1ST	10121205	301405.6	4020519.31	0.00448	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301405.6	4020519.31	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
301413.03	4020501.24	0.03407	109.73	109.73	1.2	1-HR	ALL	1ST	8012224	301413.03	4020501.24	0.00378	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301413.03	4020501.24	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4
301420.47	4020483.18	0.03334	109.73	109.73	1.2	1-HR	ALL	1ST	7021603	301420.47	4020483.18	0.00312	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301420.47	4020483.18	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301427.9	4020465.12	0.03243	109.73	109.73	1.2	1-HR	ALL	1ST	7021521	301427.9	4020465.12	0.0028	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301427.9	4020465.12	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301435.33	4020447.05	0.0326	109.73	109.73	1.2	1-HR	ALL	1ST	10020608	301435.33	4020447.05	0.00231	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301435.33	4020447.05	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301442.76	4020428.99	0.03152	109.73	109.73	1.2	1-HR	ALL	1ST	8010721	301442.76	4020428.99	0.00202	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301442.76	4020428.99	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301458.11	4020418.77	0.03191	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301458.11	4020418.77	0.002	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301458.11	4020418.77	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301476.1	4020411.17	0.03062	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301476.1	4020411.17	0.00199	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301476.1	4020411.17	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301494.09	4020403.56	0.02919	109.73	109.73	1.2	1-HR	ALL	1ST	8120818	301494.09	4020403.56	0.0025	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301494.09	4020403.56	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301512.08	4020395.96	0.03172	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301512.08	4020395.96	0.00291	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301512.08	4020395.96	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301530.07	4020388.35	0.03169	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301530.07	4020388.35	0.00311	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301530.07	4020388.35	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301548.07	4020380.75	0.03224	109.73	109.73	1.2	1-HR	ALL	1ST	8121518	301548.07	4020380.75	0.00303	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301548.07	4020380.75	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301566.06	4020373.15	0.03146	109.73	109.73	1.2	1-HR	ALL	1ST	9010403	301566.06	4020373.15	0.00268	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301566.06	4020373.15	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301584.05	4020365.54	0.03224	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301584.05	4020365.54	0.00321	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301584.05	4020365.54	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301602.04	4020357.94	0.03475	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301602.04	4020357.94	0.0037	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301602.04	4020357.94	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4
301620.03	4020350.33	0.03561	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301620.03	4020350.33	0.00387	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301620.03	4020350.33	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4
301638.02	4020342.73	0.03159	109.73	109.73	1.2	1-HR	ALL	1ST	10123017	301638.02	4020342.73	0.00359	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301638.02	4020342.73	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
301656.01	4020335.13	0.03205	109.73	109.73	1.2	1-HR	ALL	1ST	7011218	301656.01	4020335.13	0.00305	109.73	109.73	1.2	24-HR	ALL	1ST	10040224	301656.01	4020335.13	0.00022	109.73	109.73	1.2	ANNUAL	ALL	4
301674	4020327.52	0.03251	109.73	109.73	1.2	1-HR	ALL	1ST	10022519	301674	4020327.52	0.00344	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301674	4020327.52	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301691.99	4020319.92	0.03183	109.73	109.73	1.2	1-HR	ALL	1ST	10010319	301691.99	4020319.92	0.00373	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301691.99	4020319.92	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
301709.99	4020312.31	0.03143	109.73	109.73	1.2	1-HR	ALL	1ST	9020703	301709.99	4020312.31	0.00383	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301709.99	4020312.31	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301727.98	4020304.71	0.03233	109.73	109.73	1.2	1-HR	ALL	1ST	7011517	301727.98	4020304.71	0.00369	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301727.98	4020304.71	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301745.97	4020297.11	0.03167	109.73	109.73	1.2	1-HR	ALL	1ST	8121521	301745.97	4020297.11	0.00333	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301745.97	4020297.11	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301763.96	4020289.5	0.03134	109.73	109.73	1.2	1-HR	ALL	1ST	8011003	301763.96	4020289.5	0.00342	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301763.96	4020289.5	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301781.95	4020281.9	0.03091	109.73	109.73	1.2	1-HR	ALL	1ST	8011717	301781.95	4020281.9	0.00373	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301781.95	4020281.9	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301799.94	4020274.29	0.0309	109.73	109.73	1.2	1-HR	ALL	1ST	8011717	301799.94	4020274.29	0.00384	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301799.94	4020274.29	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301817.93	4020266.69	0.02794	109.73	109.73	1.2	1-HR	ALL	1ST	7032918	301817.93	4020266.69	0.00374	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301817.93	4020266.69	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301171.84	4020844.44	0.03281	109.12	109.12	1.2	1-HR	ALL	1ST	10020624	301171.84	4020844.44	0.00388	109.12	109.12	1.2	24-HR	ALL	1ST	10020624	301171.84	4020844.44	0.00024	109.12	109.12	1.2	ANNUAL	ALL	4
301179.28	4020826.36	0.03305	109.12	109.12	1.2	1-HR	ALL	1ST	10011419	301179.28	4020826.36	0.00384	109.12	109.12	1.2	24-HR	ALL	1ST	10122024	301179.28	4020826.36	0.00033	109.12	109.12	1.2	ANNUAL	ALL	4
301186.71	4020808.29	0.03397	109.12	109.12	1.2	1-HR	ALL	1ST	7021808	301186.71	4020808.29	0.00469	109.12	109.12	1.2	24-HR	ALL	1ST	10122024	301186.71	4020808.29	0.00031	109.12	109.12	1.2	ANNUAL	ALL	4
301194.15	4020790.21	0.03518	109.12	109.12	1.2	1-HR	ALL	1ST	9122909	301194.15	4020790.21	0.00533	109.12	109.12	1.2	24-HR	ALL	1ST	10122024	301194.15	4020790.21	0.00029	109.12	109.12	1.2	ANNUAL	ALL	4
301201.59	4020772.13	0.03614	109.12	109.12	1.2	1-HR	ALL	1ST	9122909	301201.59	4020772.13	0.00568	109.12	109.12	1.2	24-HR	ALL	1ST	10122024	301201.59	4020772.13	0.00028	109.12	109.12	1.2	ANNUAL	ALL	4
301209.02	4020754.06	0.03319	109.12	109.12	1.2	1-HR	ALL	1ST	10012405	301209.02	4020754.06	0.00571	109.12	109.12	1.2	24-HR	ALL	1ST	10122024	301209.02	4020754.06	0.00026	109.12	109.12	1.2	ANNUAL	ALL	4
301216.46	4020735.98	0.0334	109.12	109.12	1.2	1-HR	ALL	1ST	9012321	301216.46	4020735.98	0.00548	109.12	109.12	1.2	24-HR	ALL	1ST	10122024	301216.46	4020735.98	0.00025	109.12	109.12	1.2	ANNUAL	ALL	4
301223.9	4020717.9	0.03458	109.12	109.12	1.2	1-HR	ALL	1ST	9022108	301223.9	4020717.9	0.00519	109.12	109.12	1.2	24-HR	ALL	1ST	10011624	301223.9	4020717.9	0.00024	109.12	109.12	1.2	ANNUAL	ALL	4
301231.34	4020699.82	0.03306	109.12	109.12	1.2	1-HR	ALL	1ST	7021520	301231.34	4020699.82	0.00488	109.12	109.12	1.2	24-HR	ALL	1ST	10011624	301231.34	4020699.82	0.00023	109.12	109.12	1.2	ANNUAL	ALL	4
301238.77	4020681.75	0.03292	109.12	109.12	1.2	1-HR	ALL	1ST	7012002	301238.77	4020681.75	0.00446	109.12	109.12	1.2	24-HR	ALL	1ST	10011624	301238.77	4020681.75	0.00023	109.12	109.12	1.2	ANNUAL	ALL	4
301246.21	4020663.67	0.03265	109.12	109.12	1.2	1-HR	ALL	1ST	8022123	301246.21	4020663.67	0.00477	109.12	109.12	1.2	24-HR	ALL	1ST	9121824	301246.21	4020663.67	0.00023	109.12	109.12	1.2	ANNUAL	ALL	4
301253.65	4020645.59	0.03276	109.12	109.12	1.2	1-HR	ALL	1ST	8021807	301253.65	4020645.59	0.00518	109.12	109.12	1.2	24-HR	ALL	1ST	9121824	301253.65	4020645.59	0.00022	109.12	109.12	1.2	ANNUAL	ALL	4
301261.08	4020627.52	0.03176	109.12	109.12	1.2	1-HR	ALL	1ST	9022719	301261.08	4020627.52	0.00538	109.12	109.12	1.2	24-HR	ALL	1ST	9121824	301261.08	4020627.52	0.00022	109.12	109.12	1.2	ANNUAL	ALL	4
301268.52	4020609.44	0.03261	109.2	109.2	1.2	1-HR	ALL	1ST	7011009	301268.52	4020609.44	0.00532	109.2	109.2	1.2	24-HR	ALL	1ST	9121824	301268.52	4020609.44	0.00022	109.2	109.2	1.2	ANNUAL	ALL	4
301275.96	4020591.36	0.03296	109.39	109.39	1.2	1-HR	ALL	1ST	7011009	301275.96	4020591.36	0.00506	109.39	109.39	1.2	24-HR	ALL	1ST	9121824	301275.96	4020591.36	0.00021	109.39	109.39	1.2	ANNUAL	ALL	4
301283.39	4020573.29	0.03121	109.42	109.42	1.2	1-HR	ALL	1ST	10122118	301283.39	4020573.29	0.00466	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301283.39	4020573.29	0.00021	109.42	109.42	1.2	ANNUAL	ALL	4
301290.83	4020555.21	0.03077	109.42	109.42	1.2	1-HR	ALL	1ST	10013004	301290.83	4020555.21	0.00416	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301290.83	4020555.21	0.00021	109.42	109.42	1.2	ANNUAL	ALL	4
301298.27	4020537.13	0.03276	109.42	109.42	1.2	1-HR	ALL	1ST	9121816	301298.27	4020537.13	0.00356	109.42	109.42	1.2	24-HR	ALL	1ST	9121824	301298.27	4020537.13	0.0002	109.42	109.42	1.2	ANNUAL	ALL	4
301305.71	4020519.06	0.03092	109.44	109.44	1.2	1-HR	ALL	1ST	9121816	301305.71	4020519.06	0.00337	109.44	109.44	1.2	24-HR	ALL	1ST	10121724	301305.71	4020519.06	0.0002	109.44	109.44	1.2	ANNUAL	ALL	4
301313.14	4020500.98	0.03162	109.54	109.54	1.2	1-HR	ALL	1ST	7122609	301313.14	4020500.98	0.00372	109.54	109.54	1.2	24-HR	ALL	1ST	10121724	301313.14	4020500.98	0.00019	109.54	109.54	1.2	ANNUAL	ALL	4
301320.58	4020482.9	0.03056	109.63	109.63	1.2	1-HR	ALL	1ST	7122609	301320.58	4020482.9	0.00396	109.63	109.63	1.2	24-HR	ALL	1ST	10121724	301320.58	4020482.9	0.00019	109.63	109.63	1.2	ANNUAL	ALL	4
301328.02	4020464.82	0.0292	109.71	109.71	1.2	1-HR	ALL	1ST	10120801	301328.02	4020464.82	0.00397	109.71	109.71	1.2	24-HR	ALL	1ST	10121724	301328.02	4020464.82	0.00018	109.71	109.71	1.2	ANNUAL	ALL	4
301335.45	4020446.75	0.0287	109.73	109.73	1.2	1-HR	ALL	1ST	10121205	301335.45	4020446.75	0.00368	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301335.45	4020446.75	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301342.89	4020428.67	0.0284	109.73	109.73	1.2	1-HR	ALL	1ST	8012224	301342.89	4020428.67	0.00314	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301342.89	4020428.67	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
301350.33	4020410.59	0.02797	109.73	109.73	1.2	1-HR	ALL	1ST	7021603	301350.33	4020410.59	0.00261	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301350.33	4020410.59	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301357.76	4020392.52	0.02754	109.73	109.73	1.2	1-HR	ALL	1ST	7021521	301357.76	4020392.52	0.00242	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301357.76	4020392.52	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301365.2	4020374.44	0.02715	109.73	109.73	1.2	1-HR	ALL	1ST	10020608	301365.2	4020374.44	0.00208	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301365.2	4020374.44	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301372.64	4020356.36	0.02661	109.73	109.73	1.2	1-HR	ALL	1ST	10020608	301372.64	4020356.36	0.00168	109.73	109.73	1.2	24-HR	ALL	1ST	7021524	301372.64	4020356.36	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301389.32	4020347.44	0.02687	109.73	109.73	1.2	1-HR	ALL	1ST	8022504	301389.32	4020347.44	0.00168	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301389.32	4020347.44	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301407.33	4020339.83	0.02713	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301407.33	4020339.83	0.00166	109.73	109.73	1.2	24-HR	ALL	1ST	8022324	301407.33	4020339.83	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301425.33	4020332.22	0.02542	109.73	109.73	1.2	1-HR	ALL	1ST	10122601	301425.33	4020332.22	0.00171	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301425.33	4020332.22	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301443.34	4020324.61	0.02472	109.73	109.73	1.2	1-HR	ALL	1ST	8120818	301443.34	4020324.61	0.0021	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301443.34	4020324.61	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301461.34	4020317	0.02675	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301461.34	4020317	0.00242	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301461.34	4020317	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301479.35	4020309.39	0.02717	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301479.35	4020309.39	0.0026	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301479.35	4020309.39	0.00015	109.73	109.73	1.2	ANNUAL	ALL	4
301497.35	4020301.79	0.02743	109.73	109.73	1.2	1-HR	ALL	1ST	8121518	301497.35	4020301.79	0.0026	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301497.35	4020301.79	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301515.36	4020294.18	0.02723	109.73	109.73	1.2	1-HR	ALL	1ST	9010403	301515.36	4020294.18	0.0024	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301515.36	4020294.18	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301533.36	4020286.57	0.02737	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301533.36	4020286.57	0.00238	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301533.36	4020286.57	0.00016	109.73	109.73	1.2	ANNUAL	ALL	4
301551.37	4020278.96	0.02674	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301551.37	4020278.96	0.00283	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301551.37	4020278.96	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
301569.37	4020271.35	0.03012	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301569.37	4020271.35	0.00318	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301569.37	4020271.35	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
301587.38	4020263.74	0.02998	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301587.38	4020263.74	0.00326	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301587.38	4020263.74	0.00017	109.73	109.73	1.2	ANNUAL	ALL	4
301605.38	4020256.13	0.02682	109.73	109.73	1.2	1-HR	ALL	1ST	10123017	301605.38	4020256.13	0.00301	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301605.38	4020256.13	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301623.39	4020248.52	0.02711	109.73	109.73	1.2	1-HR	ALL	1ST	7011218	301623.39	4020248.52	0.0025	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301623.39	4020248.52	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301641.39	4020240.91	0.02762	109.73	109.73	1.2	1-HR	ALL	1ST	10022519	301641.39	4020240.91	0.00279	109.73	109.73	1.2	24-HR	ALL	1ST	10040224	301641.39	4020240.91	0.00018	109.73	109.73	1.2	ANNUAL	ALL	4
301659.39	4020233.3	0.02739	109.73	109.73	1.2	1-HR	ALL	1ST	10010319	301659.39	4020233.3	0.00304	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301659.39	4020233.3	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301677.4	4020225.69	0.02557	109.73	109.73	1.2	1-HR	ALL	1ST	9020703	301677.4	4020225.69	0.00318	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301677.4	4020225.69	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301695.4	4020218.08	0.02708	109.73	109.73	1.2	1-HR	ALL	1ST	9020703	301695.4	4020218.08	0.00317	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301695.4	4020218.08	0.00019	109.73	109.73	1.2	ANNUAL	ALL	4
301713.41	4020210.47	0.02741	109.73	109.73	1.2	1-HR	ALL	1ST	7011517	301713.41	4020210.47	0.00299	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301713.41	4020210.47	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301731.41	4020202.86	0.02663	109.73	109.73	1.2	1-HR	ALL	1ST	8121521	301731.41	4020202.86	0.00267	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301731.41	4020202.86	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301749.42	4020195.25	0.02664	109.73	109.73	1.2	1-HR	ALL	1ST	8011003	301749.42	4020195.25	0.00289	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301749.42	4020195.25	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301767.42	4020187.64	0.02622	109.73	109.73	1.2	1-HR	ALL	1ST	8011717	301767.42	4020187.64	0.00313	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301767.42	4020187.64	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301785.43	4020180.03	0.02639	109.73	109.73	1.2	1-HR	ALL	1ST	8011717	301785.43	4020180.03	0.00323	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301785.43	4020180.03	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301803.43	4020172.42	0.0241	109.73	109.73	1.2	1-HR	ALL	1ST	7032918	301803.43	4020172.42	0.00317	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301803.43	4020172.42	0.0002	109.73	109.73	1.2	ANNUAL	ALL	4
301821.44	4020164.81	0.02259	109.73	109.73	1.2	1-HR	ALL	1ST	8011522	301821.44	4020164.81	0.00299	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301821.44	4020164.81	0.00021	109.73	109.73	1.2	ANNUAL	ALL	4
301071.84	4020844.44	0.02798	109.12	109.12	1.2	1-HR	ALL	1ST	8120903	301071.84	4020844.44	0.00328	109.12	109.12	1.2	24-HR	ALL	1ST	10020624	301071.84	4020844.44	0.00029	109.12	109.12	1.2	ANNUAL	ALL	4
301079.28	4020826.35	0.02804	109.12	109.12	1.2	1-HR	ALL	1ST	10020624	301079.28	4020826.35	0.00327	109.12	109.12	1.2	24-HR	ALL	1ST	10020624	301079.28	4020826.35	0.00028	109.12	109.12	1.2	ANNUAL	ALL	4
301086.72	4020808.26	0.02794	109.12	109.12	1.2	1-HR	ALL	1ST	10020319	301086.72	4020808.26	0.00305	109.12	109.12	1.2	24-HR	ALL	1ST	10020624	301086.72	4020808.26	0.00027	109.12	109.12	1.2	ANNUAL	ALL	4
301094.16	4020790.18	0.02906	109.12	109.12	1.2	1-HR	ALL	1ST	7021808	301094.16	4020790.18	0.00363	109.12	109.12	1.2	24-HR	ALL	1ST	10122024	301094.16	4020790.18	0.00026	109.12	109.12	1.2	ANNUAL	ALL	4
301101.61	4020772.09	0.02831	109.12	109.12	1.2	1-HR	ALL	1ST	9123107	301101.61	4020772.09	0.00421	109.12	109.12	1.2	24-HR	ALL	1ST	10122024	301101.61	4020772.09	0.00025	109.12	109.12	1.2	ANNUAL	ALL	4
301109.05	4020754	0.0308	109.12	109.12	1.2	1-HR	ALL	1ST	9122909	301109.05	4020754	0.00461	109.12	109.12	1.2	24-HR	ALL	1ST	10122024	301109.05	4020754	0.00023	109.12	109.12	1.2	ANNUAL

301272.75	4020356.08	0.02416	109.42	109.42	1.2	1-HR	ALL	1ST	8012224	301272.75	4020356.08	0.00267	109.42	109.42	1.2	24-HR	ALL	1ST	10121724	301272.75	4020356.08	0.00014	109.42	109.42	1.2 ANNUAL	ALL	4
301280.2	4020337.99	0.02385	109.42	109.42	1.2	1-HR	ALL	1ST	7021603	301280.2	4020337.99	0.00223	109.42	109.42	1.2	24-HR	ALL	1ST	7021524	301280.2	4020337.99	0.00013	109.42	109.42	1.2 ANNUAL	ALL	4
301287.64	4020319.91	0.02359	109.42	109.42	1.2	1-HR	ALL	1ST	7021521	301287.64	4020319.91	0.0021	109.42	109.42	1.2	24-HR	ALL	1ST	7021524	301287.64	4020319.91	0.00013	109.42	109.42	1.2 ANNUAL	ALL	4
301295.08	4020301.82	0.02267	109.42	109.42	1.2	1-HR	ALL	1ST	10020608	301295.08	4020301.82	0.00187	109.42	109.42	1.2	24-HR	ALL	1ST	7021524	301295.08	4020301.82	0.00013	109.42	109.42	1.2 ANNUAL	ALL	4
301304.77	4020282.78	0.02313	109.46	109.46	1.2	1-HR	ALL	1ST	10020608	301304.77	4020282.78	0.00153	109.46	109.46	1.2	24-HR	ALL	1ST	7021524	301304.77	4020282.78	0.00012	109.46	109.46	1.2 ANNUAL	ALL	4
301322.79	4020275.17	0.02298	109.56	109.56	1.2	1-HR	ALL	1ST	8010721	301322.79	4020275.17	0.00141	109.56	109.56	1.2	24-HR	ALL	1ST	8022324	301322.79	4020275.17	0.00012	109.56	109.56	1.2 ANNUAL	ALL	4
301340.8	4020267.55	0.02318	109.6	109.6	1.2	1-HR	ALL	1ST	10122601	301340.8	4020267.55	0.00143	109.6	109.6	1.2	24-HR	ALL	1ST	8022324	301340.8	4020267.55	0.00012	109.6	109.6	1.2 ANNUAL	ALL	4
301358.82	4020259.94	0.02317	109.72	109.72	1.2	1-HR	ALL	1ST	10122601	301358.82	4020259.94	0.00139	109.72	109.72	1.2	24-HR	ALL	1ST	8022324	301358.82	4020259.94	0.00012	109.72	109.72	1.2 ANNUAL	ALL	4
301376.83	4020252.32	0.02172	109.7	109.7	1.2	1-HR	ALL	1ST	8120818	301376.83	4020252.32	0.00152	109.7	109.7	1.2	24-HR	ALL	1ST	9010424	301376.83	4020252.32	0.00012	109.7	109.7	1.2 ANNUAL	ALL	4
301394.85	4020244.71	0.02112	109.73	109.73	1.2	1-HR	ALL	1ST	8120818	301394.85	4020244.71	0.00183	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301394.85	4020244.71	0.00012	109.73	109.73	1.2 ANNUAL	ALL	4
301412.86	4020237.09	0.02314	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301412.86	4020237.09	0.00208	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301412.86	4020237.09	0.00013	109.73	109.73	1.2 ANNUAL	ALL	4
301430.88	4020229.48	0.02351	109.73	109.73	1.2	1-HR	ALL	1ST	8010101	301430.88	4020229.48	0.00223	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301430.88	4020229.48	0.00013	109.73	109.73	1.2 ANNUAL	ALL	4
301448.89	4020221.87	0.02361	109.73	109.73	1.2	1-HR	ALL	1ST	8121518	301448.89	4020221.87	0.00224	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301448.89	4020221.87	0.00013	109.73	109.73	1.2 ANNUAL	ALL	4
301466.91	4020214.25	0.02354	109.73	109.73	1.2	1-HR	ALL	1ST	9010403	301466.91	4020214.25	0.00211	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301466.91	4020214.25	0.00013	109.73	109.73	1.2 ANNUAL	ALL	4
301484.92	4020206.64	0.02315	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301484.92	4020206.64	0.00185	109.73	109.73	1.2	24-HR	ALL	1ST	9010424	301484.92	4020206.64	0.00013	109.73	109.73	1.2 ANNUAL	ALL	4
301502.94	4020199.02	0.02368	109.73	109.73	1.2	1-HR	ALL	1ST	8010905	301502.94	4020199.02	0.00221	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301502.94	4020199.02	0.00014	109.73	109.73	1.2 ANNUAL	ALL	4
301520.95	4020191.41	0.02454	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301520.95	4020191.41	0.00257	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301520.95	4020191.41	0.00014	109.73	109.73	1.2 ANNUAL	ALL	4
301538.97	4020183.79	0.02639	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301538.97	4020183.79	0.00279	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301538.97	4020183.79	0.00014	109.73	109.73	1.2 ANNUAL	ALL	4
301556.98	4020176.18	0.02535	109.73	109.73	1.2	1-HR	ALL	1ST	8122416	301556.98	4020176.18	0.00277	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301556.98	4020176.18	0.00015	109.73	109.73	1.2 ANNUAL	ALL	4
301575	4020168.57	0.02322	109.73	109.73	1.2	1-HR	ALL	1ST	7122304	301575	4020168.57	0.00252	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301575	4020168.57	0.00015	109.73	109.73	1.2 ANNUAL	ALL	4
301593.01	4020160.95	0.02344	109.73	109.73	1.2	1-HR	ALL	1ST	7011218	301593.01	4020160.95	0.00211	109.73	109.73	1.2	24-HR	ALL	1ST	10040224	301593.01	4020160.95	0.00015	109.73	109.73	1.2 ANNUAL	ALL	4
301611.03	4020153.34	0.02384	109.73	109.73	1.2	1-HR	ALL	1ST	10022519	301611.03	4020153.34	0.00236	109.73	109.73	1.2	24-HR	ALL	1ST	10040224	301611.03	4020153.34	0.00015	109.73	109.73	1.2 ANNUAL	ALL	4
301629.04	4020145.72	0.02371	109.73	109.73	1.2	1-HR	ALL	1ST	10010319	301629.04	4020145.72	0.00255	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301629.04	4020145.72	0.00015	109.73	109.73	1.2 ANNUAL	ALL	4
301647.06	4020138.11	0.02257	109.73	109.73	1.2	1-HR	ALL	1ST	10010319	301647.06	4020138.11	0.00268	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301647.06	4020138.11	0.00016	109.73	109.73	1.2 ANNUAL	ALL	4
301665.07	4020130.49	0.02317	109.73	109.73	1.2	1-HR	ALL	1ST	9020703	301665.07	4020130.49	0.00272	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301665.07	4020130.49	0.00016	109.73	109.73	1.2 ANNUAL	ALL	4
301683.09	4020122.88	0.02366	109.73	109.73	1.2	1-HR	ALL	1ST	7011517	301683.09	4020122.88	0.00263	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301683.09	4020122.88	0.00016	109.73	109.73	1.2 ANNUAL	ALL	4
301701.1	4020115.27	0.02328	109.73	109.73	1.2	1-HR	ALL	1ST	8121521	301701.1	4020115.27	0.00244	109.73	109.73	1.2	24-HR	ALL	1ST	8121524	301701.1	4020115.27	0.00016	109.73	109.73	1.2 ANNUAL	ALL	4
301719.12	4020107.65	0.02245	109.73	109.73	1.2	1-HR	ALL	1ST	8121521	301719.12	4020107.65	0.00226	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301719.12	4020107.65	0.00017	109.73	109.73	1.2 ANNUAL	ALL	4
301737.13	4020100.04	0.02297	109.73	109.73	1.2	1-HR	ALL	1ST	8011003	301737.13	4020100.04	0.00251	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301737.13	4020100.04	0.00017	109.73	109.73	1.2 ANNUAL	ALL	4
301755.15	4020092.42	0.02276	109.73	109.73	1.2	1-HR	ALL	1ST	8011717	301755.15	4020092.42	0.00269	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301755.15	4020092.42	0.00017	109.73	109.73	1.2 ANNUAL	ALL	4
301773.17	4020084.81	0.02227	109.73	109.73	1.2	1-HR	ALL	1ST	8011717	301773.17	4020084.81	0.00276	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301773.17	4020084.81	0.00017	109.73	109.73	1.2 ANNUAL	ALL	4
301791.18	4020077.19	0.02091	109.73	109.73	1.2	1-HR	ALL	1ST	7032918	301791.18	4020077.19	0.00272	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301791.18	4020077.19	0.00017	109.73	109.73	1.2 ANNUAL	ALL	4
301809.2	4020069.58	0.01953	109.73	109.73	1.2	1-HR	ALL	1ST	10022623	301809.2	4020069.58	0.00258	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301809.2	4020069.58	0.00017	109.73	109.73	1.2 ANNUAL	ALL	4
301691.44	4020885.98	0.14412	109.73	109.73	1.2	1-HR	ALL	1ST	7011009	301691.44	4020885.98	0.02846	109.73	109.73	1.2	24-HR	ALL	1ST	9121824	301691.44	4020885.98	0.00148	109.73	109.73	1.2 ANNUAL	ALL	4
301691.95	4020920.12	0.15861	109.73	109.73	1.2	1-HR	ALL	1ST	7021520	301691.95	4020920.12	0.02924	109.73	109.73	1.2	24-HR	ALL	1ST	10011624	301691.95	4020920.12	0.00181	109.73	109.73	1.2 ANNUAL	ALL	4
301685.69	4020944.87	0.1747	109.73	109.73	1.2	1-HR	ALL	1ST	9122909	301685.69	4020944.87	0.03275	109.73	109.73	1.2	24-HR	ALL	1ST	10122024	301685.69	4020944.87	0.00219	109.73	109.73	1.2 ANNUAL	ALL	4
301709.66	4020968.06	0.19968	109.73	109.73	1.2	1-HR	ALL	1ST	7021808	301709.66	4020968.06	0.03243	109.73	109.73	1.2	24-HR	ALL	1ST	10122024	301709.66	4020968.06	0.0032	109.73	109.73	1.2 ANNUAL	ALL	4
301693.49	4021022.52	0.19075	109.73	109.73	1.2	1-HR	ALL	1ST	8122323	301693.49	4021022.52	0.06783	109.73	109.73	1.2	24-HR	ALL	1ST	8122324	301693.49	4021022.52	0.00513	109.73	109.73	1.2 ANNUAL	ALL	4
301694	4021056.66	0.18879	109.73	109.73	1.2	1-HR	ALL	1ST	10121623	301694	4021056.66	0.04657	109.73	109.73	1.2	24-HR	ALL	1ST	8012424	301694	4021056.66	0.00611	109.73	109.73	1.2 ANNUAL	ALL	4
301671.44	4020886.28	0.13168	109.73	109.73	1.2	1-HR	ALL	1ST	8021807	301671.44	4020886.28	0.02565	109.73	109.73	1.2	24-HR	ALL	1ST	9121824	301671.44	4020886.28	0.00134	109.73	109.73	1.2 ANNUAL	ALL	4
301671.96	4020920.42	0.14839	109.73	109.73	1.2	1-HR	ALL	1ST	9022108	301671.96	4020920.42	0.02812	109.73	109.73	1.2	24-HR	ALL	1ST	10122024	301671.96	4020920.42	0.00166	109.73	109.73	1.2 ANNUAL	ALL	4
301665.69	4020945.17	0.15392	109.73	109.73	1.2	1-HR	ALL	1ST	9122909	301665.69	4020945.17	0.02737	109.73	109.73	1.2	24-HR	ALL	1ST	10122024	301665.69	4020945.17	0.00201	109.73	109.73	1.2 ANNUAL	ALL	4
301689.66	4020968.36	0.17569	109.73	109.73	1.2	1-HR	ALL	1ST	10020319	301689.66	4020968.36	0.02527	109.73	109.73	1.2	24-HR	ALL	1ST	10020624	301689.66	4020968.36	0.00286	109.73	109.73	1.2 ANNUAL	ALL	4
301673.49	4021022.82	0.16881	109.73	109.73	1.2	1-HR	ALL	1ST	8122323	301673.49	4021022.82	0.05963	109.73	109.73	1.2	24-HR	ALL	1ST	8122324	301673.49	4021022.82	0.00439	109.73	109.73	1.2 ANNUAL	ALL	4
301674	4021056.96	0.16763	109.73	109.73	1.2	1-HR	ALL	1ST	7022206	301674	4021056.96	0.04034	109.73	109.73	1.2	24-HR	ALL	1ST	8122424	301674	4021056.96	0.00514	109.73	109.73	1.2 ANNUAL	ALL	4
301621.45	4020887.03	0.10865	109.73	109.73	1.2	1-HR	ALL	1ST	7021520	301621.45	4020887.03	0.01913	109.73	109.73	1.2	24-HR	ALL	1ST	10011624	301621.45	4020887.03	0.00109	109.73	109.73	1.2 ANNUAL	ALL	4
301621.96	4020921.17	0.12437	109.73	109.73	1.2	1-HR	ALL	1ST	9122909	301621.96	4020921.17	0.02248	109.73	109.73	1.2	24-HR	ALL	1ST	10122024	301621.96	4020921.17	0.00137	109.73	109.73	1.2 ANNUAL	ALL	4
301622.47	4020955.3	0.1227	109.73	109.73	1.2	1-HR	ALL	1ST	10020624	301622.47	4020955.3	0.0171	109.73	109.73	1.2	24-HR	ALL	1ST	10020624	301622.47	4020955.3	0.00182	109.73	109.73	1.2 ANNUAL	ALL	4
301622.98	4020989.44	0.1273	109.73	109.73	1.2	1-HR	ALL	1ST	7120605	301622.98	4020989.44	0.02497	109.73	109.73	1.2	24-HR	ALL	1ST	10122124	301622.98	4020989.44	0.00246	109.73	109.73	1.2 ANNUAL	ALL	4
301623.5	4021023.57	0.12935	109.73	109.73	1.2	1-HR	ALL	1ST	8122323	301623.5	4021023.57	0.04497	109.73	109.73	1.2	24-HR	ALL	1ST	8122324	301623.5	4021023.57	0.00315	109.73	109.73	1.2 ANNUAL	ALL	4
301624.01	4021057.71	0.12875	109.73	109.73	1.2	1-HR	ALL	1ST	9011321	301624.01	4021057.71	0.03376	109.73	109.73	1.2	24-HR	ALL	1ST	8122324	301624.01	4021057.71	0.00356	109.73	109.73	1.2 ANNUAL	ALL	4
301571.46	4020887.78	0.09035	109.44	109.44	1.2	1-HR	ALL	1ST	7020406	301571.46	4020887.78	0.01734	109.44	109.44	1.2	24-HR	ALL	1ST	10122024	301571.46	4020887.78	0.00093	109.44	109.44	1.2 ANNUAL	ALL	4
301571.97	4020921.92	0.09734	109.73	109.73	1.2	1-HR	ALL	1ST	7021808	301571.97	4020921.92	0.01554	109.73	109.73	1.2	24-HR	ALL	1ST	10122024	301571.97	4020921.92	0.00117	109.73	109.73	1.2 ANNUAL	ALL	4
301572.48	4020956.05	0.09939	109.73	109.73	1.2	1-HR	ALL	1ST	9020502	301572.48	4020956.05	0.01424	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301572.48	4020956.05	0.0015	109.73	109.73	1.2 ANNUAL	ALL	4
301572.99	4020990.19	0.10184	109.73	109.73	1.2	1-HR	ALL	1ST	9122706	301572.99	4020990.19	0.02046	109.73	109.73	1.2	24-HR	ALL	1ST	10122124	301572.99	4020990.19	0.00194	109.73	109.73	1.2 ANNUAL	ALL	4
301573.5	4021024.32	0.10338	109.73	109.73	1.2	1-HR	ALL	1ST	8122323	301573.5	4021024.32	0.03543	109.73	109.73	1.2	24-HR	ALL	1ST	8122324	301573.5	4021024.32	0.00238	109.73	109.73	1.2 ANNUAL	ALL	4
301574.01	4021058.46	0.10871	109.73	109.73	1.2	1-HR	ALL	1ST	10011009	301574.01	4021058.46	0.02882	109.73	109.73	1.2	24-HR	ALL	1ST	8122324	301574.01	4021058.46	0.00264	109.73	109.73	1.2 ANNUAL	ALL	4
301521.46	4020888.53	0.0836	109.42	109.42	1.2	1-HR	ALL	1ST	9122909	301521.46	4020888.53	0.01412	109.42	109.42	1.2	24-HR	ALL	1ST	10122024	301521.46	4020888.53	0.00082	109.42	109.42	1.2 ANNUAL	ALL	4
301521.97	4020922.67	0.08021	109.44	109.44	1.2	1-HR	ALL	1ST	10020319	301521.97	4020922.67	0.01014	109.44	109.44	1.2	24-HR	ALL	1ST	10020624	301521.97	4020922.67	0.00101	109.44	109.44	1.2 ANNUAL	ALL	4
301522.48	4020956.8	0.08226	109.55	109.55	1.2	1-HR	ALL	1ST	7021523	301522.48	4020956.8	0.01233	109.55	109.55	1.2	24-HR	ALL	1ST	10121724	301522.48	4020956.8	0.00125	109.55	109.55	1.2 ANNUAL	ALL	4
301523	4020990.94	0.08427	109.63	109.63	1.2	1-HR	ALL	1ST	8021724	301523	4020990.94	0.01697	109.63	109.63	1.2	24-HR	ALL	1ST	10122124	301523	4020990.94	0.00158	109.63	109.63	1.2 ANNUAL	ALL	4
301523.51	4021025.07	0.08522	109.73	109.73	1.2	1-HR	ALL	1ST	8122323	301523.51	4021025.07	0.02883	109.73	109.73	1.2	24-HR	ALL	1ST	8122324	301523.51	4021025.07	0.00188	109.73	109.73	1.2 ANNUAL	ALL	4
301524.02	4021059.21	0.09191	109.73	109.73	1.2	1-HR	ALL	1ST	10011009	301524.02	4021059.21	0.02479	109.73	109.73	1.2	24-HR	ALL	1ST	8122324	301524.02	4021059.21	0.00205	109.73	109.73	1.2 ANNUAL	ALL	4
301471.47	4020889.28	0.067	109.42	109.42	1.2	1-HR	ALL	1ST	7021808	301471.47	4020889.28	0.01059	109.42	109.42	1.2	24-HR	ALL	1ST	10122024	301471.47	4020889.28	0.00073	109.42	109.42	1.2 ANNUAL	ALL	4
301471.98	4020923.42	0.06846	109.42	109.42	1.2	1-HR	ALL	1ST	10020624	301471.98	4020923.42	0.00895	109.42	109.42	1.2	24-HR	ALL	1ST	10020624	301471.98	4020923.42	0.00088	109.42	109.42	1.2 ANNUAL	ALL	4
301472.49	4020957.55	0.07043	109.42	109.42	1.2	1-HR	ALL	1ST	10121317	301472.49	4020957.55	0.01044	109.42	109.42	1.2	24-HR	ALL	1ST	10121724	301472.49	4020957.55	0.00107	109.42	109.42	1.2 ANNUAL	ALL	4
301473	4020991.69	0.07108	109.42	109.42	1.2	1-HR	ALL	1ST	8021724	301473	4020991.69	0.01514	109.42	109.42	1.2	24-HR	ALL	1ST	8122324	301473	4020991.69	0.00131	109.42	109.42	1.2 ANNUAL	ALL	4
301473.51	4021025.82	0.07192	109.42	109.42	1.2	1-HR	ALL	1ST	8122323	301473.51	4021025.82	0.02404	109.42	109.42	1.2	24-HR	ALL	1ST	8122324	301473.51	4021025.82	0.00152	109.42	109.42	1.2 ANNUAL	ALL	4
301474.02	4021059.96	0.0776	109.6	109.6	1.2	1-HR	ALL	1ST	10011009	301474.02	4021059.96	0.02151	109.6	109.6	1.2	24-HR	ALL	1ST	8122324	301474.02	4021059.96	0.00141	109.6	109.6	1.2 ANNUAL	ALL	4
301371.48	4020890.78	0.05107	109.42	109.42	1.2	1-HR	ALL	1ST	10020319	301371.48	4020890.78	0.00628	109.42	109.42	1.2	24-HR	ALL	1ST	10020624	301371.48	4020890.78	0.00059	109.42	109.42	1.2 ANNUAL	ALL	4
301371.99	4020924.91	0.05235	109.42	109.42	1.2	1-HR	ALL	1ST	7021523	301371.99	4020924.91	0.00713	109.42	109.42	1.2	24-HR	ALL	1ST	10121724	301371.99	4020924.91	0.00068	109.42	109.42	1.2 ANNUAL	ALL	4
301372.5	4020959.05	0.05289	109.42	109.42	1.2	1-HR	ALL	1ST	7120605	301372.5	4020959.05	0.00826	109.42	109.42	1.2	24-HR	ALL	1ST	10122124	301372.5	4020959.05	0.00081	109.42	109.42	1.2 ANNUAL	ALL	4
301373.01	4020993.18	0.0536	109.42	109.42	1.2	1-HR	ALL	1ST	8022724	301373.01	4020993.18	0.01234	109.42	109.42	1.2	24-HR	ALL	1ST	8122324	301373.01	4020993.18	0.00096	109.42	109.42	1.2 ANNUAL	ALL	4
301373.52	4021027.32	0.05392	109.42	109.42	1.2	1-HR	ALL	1ST	8122323	301373.52	4021027.32	0.01764	109.42	109.42	1.2	24-HR	ALL	1ST	8122324	301373.52	4021027.32	0.00107	109.42	109.42	1.2 ANNUAL	ALL	4
301374.04	4021061.45	0.05596	109.42	109.42	1.2	1-HR	ALL	1ST	10011009	301374.04	4021061.45	0.01662	109.42	109.42	1.2	24-HR	ALL	1ST	8122324	301374.04	4021061.45	0.00114	109.42	109.42	1.2 ANNUAL	ALL	4
301271.49	4020892.28	0.04071	109.12	109.12	1.2	1-HR	ALL	1ST	9020502	301271.49	4020892.28	0.00513	109.12	109.12	1.2	24-HR	ALL	1ST	10121724	301271.49	4020892.28	0.00048	109.12	109.12	1.2 ANNUAL	ALL	4
301272	4020926.41	0.04149	109.12	109.12	1.2	1-HR	ALL	1ST	10121317	301272	4020926.41	0.00559	109.12	109.12	1.2	24-HR	ALL	1ST	10121724	301272	4020926.41	0.00054	109.12	109.12	1.2 ANNUAL	ALL	4
301272.51	4020960.55	0.04179	109.12	109.12	1.2	1-HR	ALL	1ST	9122706	301272.51	4020960.55	0.00681	109.12	109.12	1.2	24-HR	ALL	1ST	10122124	301272.51	4020960.55	0.00064	109.12	109.12	1.2 ANNUAL	ALL	4
301273.02	4020994.68	0.04222	109.12	109.12	1.2	1-HR	ALL	1ST	9012024	301273.02	4020994.68	0.01021	109.12	109.12	1.2	24-HR	ALL	1ST	8122324	301273.02	4020994.68	0.00073	109.12	109.12	1.2 ANNUAL	ALL	4
301273.54	4021028.82	0.04248	109.14	109.14	1.2	1-HR	ALL	1ST	8122323	301273.54	4021028.82	0.01364	109.14	109.14	1.2	24-HR	ALL	1ST	8122324	301273.54	4021028.82	0.0008	109.14	109.14	1.2 ANNUAL	ALL	4
301274.05	4021062.95	0.04196	109.16	109.16	1.2	1-HR	ALL	1ST	10121807	301274.05	4021062.95	0.01325	109.16	109.16	1.2	24-HR	ALL	1ST	8122324	301274.05	4021062.95	0.00084	109.16	109.16	1.2 ANNUAL	ALL	4
301171.5	4020893.78	0.03368	109.12	109.12	1.2	1-HR	ALL	1ST	7021523	301171.5	4020893.78	0.0044	109.12	109.12	1.2	24-HR	ALL	1ST	10012524	301171.5	4020893.78	0.0004	109.12	109.12	1.2 ANNUAL	ALL	4
301172.01	4020927.91	0.0338	109.12	109.12	1.2	1-HR	ALL	1ST	9011402	301172.01	4020927.91	0.00449	109.12	109.12	1.2	24-HR	ALL	1ST	10122124	301172.01	4020927.91	0.00045	109.12	109.12	1.2 ANNUAL	ALL	4
301172.52	4020962.05	0.03412	109.12	109.12	1.2	1-HR	ALL	1ST	8021724	301172.52	4020962.05	0.00563	109.12	109.12	1.2	24-HR	ALL	1ST	10122124	301172.52	4020962.05	0.00052	109.12	109.12	1.2 ANNUAL	ALL	4
301173.04	4020996.18	0.03443	109.12	109.12	1.2	1-HR	ALL	1ST	9012024	301173.04	4020996.18	0.00858	109.12	109.12	1.2	24-HR	ALL	1ST	8122324	301173.04	4020996.18	0.00058	109.12	109.12	1.2 ANNUAL	ALL	4
301173.55	4021030.32	0.03465	109.12	109.12	1.2	1-HR	ALL	1ST	8122323	301173.55	4021030.32	0.01094	109.12	109.12	1.2	24-HR	ALL	1ST	8122324	301173.55	4021030.32	0.00063	109.12	109.12	1.2 ANNUAL	ALL	4
301174.06	4021064.45	0.03418	109.12	109.12	1.2	1-HR	ALL	1ST	8122324	301174.06	4021064.45	0.01083	109.12	109.12	1.2	24-HR	ALL	1ST	8122324	301174.06	4021064.45	0.00065	109.12	109.12	1.2 ANNUAL	ALL	4
301071.51	4020895.28	0.02824	108.93	108.93	1.2	1-HR	ALL	1ST	10121317	301071.51	4020895.28	0.00365	108.93	108.93	1.2	24-HR	ALL	1ST	10012524	301071.51	4020895.28	0.00034	108.93	108.93	1.2 ANNUAL	ALL	4
301072.02	4020929.41	0.02864	108.94	108.94	1.2	1-HR	ALL	1ST	7120605	301072.02	4020929.41	0.00402	108.94	108.94	1.2	24-HR	ALL	1ST	10122124	301072.02	4020929.41	0.00038	108.94	108.94	1.2 ANNUAL	ALL	4
301072.53	4020963.55	0.02875	108.94	108.94	1.2	1-HR	ALL	1ST	8021724	301072.53	4020963.55	0.00484	108.94	108.94	1.2

301696.38	4021270.35	0.10795	110.08	110.08	1.2	1-HR	ALL	1ST	10122809	301696.38	4021270.35	0.02432	110.08	110.08	1.2	24-HR	ALL	1ST	8021524	301696.38	4021270.35	0.00292	110.08	110.08	1.2	ANNUAL	ALL	4
301648.83	4021233.09	0.10182	109.98	109.98	1.2	1-HR	ALL	1ST	9013121	301648.83	4021233.09	0.0212	109.98	109.98	1.2	24-HR	ALL	1ST	7122224	301648.83	4021233.09	0.00329	109.98	109.98	1.2	ANNUAL	ALL	4
301633.87	4021198.16	0.10722	109.77	109.77	1.2	1-HR	ALL	1ST	7021508	301633.87	4021198.16	0.02526	109.77	109.77	1.2	24-HR	ALL	1ST	7021424	301633.87	4021198.16	0.00381	109.77	109.77	1.2	ANNUAL	ALL	4
301618.9	4021163.24	0.11373	109.73	109.73	1.2	1-HR	ALL	1ST	10121316	301618.9	4021163.24	0.02531	109.73	109.73	1.2	24-HR	ALL	1ST	7013024	301618.9	4021163.24	0.00407	109.73	109.73	1.2	ANNUAL	ALL	4
301603.94	4021128.31	0.11615	109.73	109.73	1.2	1-HR	ALL	1ST	10010709	301603.94	4021128.31	0.02353	109.73	109.73	1.2	24-HR	ALL	1ST	7012524	301603.94	4021128.31	0.00377	109.73	109.73	1.2	ANNUAL	ALL	4
301588.98	4021093.38	0.1073	109.73	109.73	1.2	1-HR	ALL	1ST	10020724	301588.98	4021093.38	0.02413	109.73	109.73	1.2	24-HR	ALL	1ST	8012424	301588.98	4021093.38	0.00316	109.73	109.73	1.2	ANNUAL	ALL	4
301912.97	4021353.83	0.08192	110.27	110.27	1.2	1-HR	ALL	1ST	10022506	301912.97	4021353.83	0.01013	110.27	110.27	1.2	24-HR	ALL	1ST	9012424	301912.97	4021353.83	0.00122	110.27	110.27	1.2	ANNUAL	ALL	4
301950.99	4021353.71	0.07988	110.08	110.08	1.2	1-HR	ALL	1ST	10122108	301950.99	4021353.71	0.01061	110.08	110.08	1.2	24-HR	ALL	1ST	10010824	301950.99	4021353.71	0.00117	110.08	110.08	1.2	ANNUAL	ALL	4
301989.01	4021353.59	0.08423	110.03	110.03	1.2	1-HR	ALL	1ST	9122916	301989.01	4021353.59	0.00894	110.03	110.03	1.2	24-HR	ALL	1ST	10010824	301989.01	4021353.59	0.00109	110.03	110.03	1.2	ANNUAL	ALL	4
302027.02	4021353.46	0.07323	110.03	110.03	1.2	1-HR	ALL	1ST	8022820	302027.02	4021353.46	0.00802	110.03	110.03	1.2	24-HR	ALL	1ST	9121924	302027.02	4021353.46	0.00099	110.03	110.03	1.2	ANNUAL	ALL	4
302065.04	4021353.34	0.07023	110.03	110.03	1.2	1-HR	ALL	1ST	9021118	302065.04	4021353.34	0.00561	110.03	110.03	1.2	24-HR	ALL	1ST	9021124	302065.04	4021353.34	0.00091	110.03	110.03	1.2	ANNUAL	ALL	4
301700.19	4021305.76	0.0934	110.14	110.14	1.2	1-HR	ALL	1ST	9122924	301700.19	4021305.76	0.01981	110.14	110.14	1.2	24-HR	ALL	1ST	9021324	301700.19	4021305.76	0.00235	110.14	110.14	1.2	ANNUAL	ALL	4
301663.96	4021308.64	0.0872	110.03	110.03	1.2	1-HR	ALL	1ST	10122809	301663.96	4021308.64	0.01982	110.03	110.03	1.2	24-HR	ALL	1ST	8021524	301663.96	4021308.64	0.00229	110.03	110.03	1.2	ANNUAL	ALL	4
301613.8	4021268.77	0.08351	109.87	109.87	1.2	1-HR	ALL	1ST	9013121	301613.8	4021268.77	0.01694	109.87	109.87	1.2	24-HR	ALL	1ST	7122224	301613.8	4021268.77	0.00256	109.87	109.87	1.2	ANNUAL	ALL	4
301598.83	4021233.84	0.0873	109.73	109.73	1.2	1-HR	ALL	1ST	7021404	301598.83	4021233.84	0.01993	109.73	109.73	1.2	24-HR	ALL	1ST	7021424	301598.83	4021233.84	0.00293	109.73	109.73	1.2	ANNUAL	ALL	4
301583.87	4021198.91	0.09563	109.73	109.73	1.2	1-HR	ALL	1ST	10121316	301583.87	4021198.91	0.01826	109.73	109.73	1.2	24-HR	ALL	1ST	8030924	301583.87	4021198.91	0.00321	109.73	109.73	1.2	ANNUAL	ALL	4
301568.91	4021163.99	0.09082	109.73	109.73	1.2	1-HR	ALL	1ST	7021524	301568.91	4021163.99	0.02092	109.73	109.73	1.2	24-HR	ALL	1ST	7013024	301568.91	4021163.99	0.00316	109.73	109.73	1.2	ANNUAL	ALL	4
301553.95	4021129.06	0.09067	109.73	109.73	1.2	1-HR	ALL	1ST	9122617	301553.95	4021129.06	0.02158	109.73	109.73	1.2	24-HR	ALL	1ST	10120924	301553.95	4021129.06	0.00281	109.73	109.73	1.2	ANNUAL	ALL	4
301538.98	4021094.13	0.08845	109.73	109.73	1.2	1-HR	ALL	1ST	8010505	301538.98	4021094.13	0.01938	109.73	109.73	1.2	24-HR	ALL	1ST	8012424	301538.98	4021094.13	0.00237	109.73	109.73	1.2	ANNUAL	ALL	4
301913.14	4021403.83	0.06822	110.17	110.17	1.2	1-HR	ALL	1ST	9012406	301913.14	4021403.83	0.00825	110.17	110.17	1.2	24-HR	ALL	1ST	9012424	301913.14	4021403.83	0.00095	110.17	110.17	1.2	ANNUAL	ALL	4
301951.15	4021403.71	0.06775	110.03	110.03	1.2	1-HR	ALL	1ST	9012404	301951.15	4021403.71	0.00833	110.03	110.03	1.2	24-HR	ALL	1ST	10010824	301951.15	4021403.71	0.00092	110.03	110.03	1.2	ANNUAL	ALL	4
301989.17	4021403.59	0.06509	110.03	110.03	1.2	1-HR	ALL	1ST	10011104	301989.17	4021403.59	0.0083	110.03	110.03	1.2	24-HR	ALL	1ST	10010824	301989.17	4021403.59	0.00087	110.03	110.03	1.2	ANNUAL	ALL	4
302027.19	4021403.46	0.06302	110.03	110.03	1.2	1-HR	ALL	1ST	7011017	302027.19	4021403.46	0.00672	110.03	110.03	1.2	24-HR	ALL	1ST	9122924	302027.19	4021403.46	0.0008	110.03	110.03	1.2	ANNUAL	ALL	4
302065.2	4021403.34	0.05995	110.03	110.03	1.2	1-HR	ALL	1ST	8011920	302065.2	4021403.34	0.00556	110.03	110.03	1.2	24-HR	ALL	1ST	9121924	302065.2	4021403.34	0.00074	110.03	110.03	1.2	ANNUAL	ALL	4
301699.31	4021382.34	0.06743	109.88	109.88	1.2	1-HR	ALL	1ST	9011109	301699.31	4021382.34	0.01272	109.88	109.88	1.2	24-HR	ALL	1ST	9120624	301699.31	4021382.34	0.00144	109.88	109.88	1.2	ANNUAL	ALL	4
301664.12	4021368.02	0.07232	109.77	109.77	1.2	1-HR	ALL	1ST	9122924	301664.12	4021368.02	0.01467	109.77	109.77	1.2	24-HR	ALL	1ST	9021324	301664.12	4021368.02	0.00167	109.77	109.77	1.2	ANNUAL	ALL	4
301628.92	4021353.7	0.07216	109.73	109.73	1.2	1-HR	ALL	1ST	10122809	301628.92	4021353.7	0.01607	109.73	109.73	1.2	24-HR	ALL	1ST	8021524	301628.92	4021353.7	0.00179	109.73	109.73	1.2	ANNUAL	ALL	4
301578.77	4021304.44	0.07078	109.73	109.73	1.2	1-HR	ALL	1ST	7021502	301578.77	4021304.44	0.01385	109.73	109.73	1.2	24-HR	ALL	1ST	7122224	301578.77	4021304.44	0.00205	109.73	109.73	1.2	ANNUAL	ALL	4
301563.8	4021269.52	0.07636	109.73	109.73	1.2	1-HR	ALL	1ST	7122409	301563.8	4021269.52	0.01555	109.73	109.73	1.2	24-HR	ALL	1ST	7021424	301563.8	4021269.52	0.00232	109.73	109.73	1.2	ANNUAL	ALL	4
301548.84	4021234.59	0.07565	109.73	109.73	1.2	1-HR	ALL	1ST	9021208	301548.84	4021234.59	0.01634	109.73	109.73	1.2	24-HR	ALL	1ST	8013124	301548.84	4021234.59	0.00257	109.73	109.73	1.2	ANNUAL	ALL	4
301533.88	4021199.66	0.07732	109.73	109.73	1.2	1-HR	ALL	1ST	10121022	301533.88	4021199.66	0.01757	109.73	109.73	1.2	24-HR	ALL	1ST	7013024	301533.88	4021199.66	0.00264	109.73	109.73	1.2	ANNUAL	ALL	4
301518.91	4021164.74	0.07994	109.73	109.73	1.2	1-HR	ALL	1ST	10010709	301518.91	4021164.74	0.01599	109.73	109.73	1.2	24-HR	ALL	1ST	7012524	301518.91	4021164.74	0.00247	109.73	109.73	1.2	ANNUAL	ALL	4
301503.95	4021129.81	0.07675	109.73	109.73	1.2	1-HR	ALL	1ST	7020108	301503.95	4021129.81	0.01739	109.73	109.73	1.2	24-HR	ALL	1ST	10120924	301503.95	4021129.81	0.00216	109.73	109.73	1.2	ANNUAL	ALL	4
301488.99	4021094.88	0.07395	109.73	109.73	1.2	1-HR	ALL	1ST	10121623	301488.99	4021094.88	0.0163	109.73	109.73	1.2	24-HR	ALL	1ST	8122424	301488.99	4021094.88	0.00186	109.73	109.73	1.2	ANNUAL	ALL	4
301913.3	4021453.83	0.05815	110.03	110.03	1.2	1-HR	ALL	1ST	9012406	301913.3	4021453.83	0.00687	110.03	110.03	1.2	24-HR	ALL	1ST	9012424	301913.3	4021453.83	0.00077	110.03	110.03	1.2	ANNUAL	ALL	4
301951.32	4021453.71	0.0571	110.03	110.03	1.2	1-HR	ALL	1ST	9012404	301951.32	4021453.71	0.00698	110.03	110.03	1.2	24-HR	ALL	1ST	8120624	301951.32	4021453.71	0.00075	110.03	110.03	1.2	ANNUAL	ALL	4
301989.33	4021453.59	0.05654	110.03	110.03	1.2	1-HR	ALL	1ST	9020423	301989.33	4021453.59	0.00727	110.03	110.03	1.2	24-HR	ALL	1ST	10010824	301989.33	4021453.59	0.00072	110.03	110.03	1.2	ANNUAL	ALL	4
302027.35	4021453.46	0.05879	110.03	110.03	1.2	1-HR	ALL	1ST	9122916	302027.35	4021453.46	0.00597	110.03	110.03	1.2	24-HR	ALL	1ST	9122924	302027.35	4021453.46	0.00067	110.03	110.03	1.2	ANNUAL	ALL	4
302065.36	4021453.34	0.05168	110.03	110.03	1.2	1-HR	ALL	1ST	8022820	302065.36	4021453.34	0.00565	110.03	110.03	1.2	24-HR	ALL	1ST	9121924	302065.36	4021453.34	0.00062	110.03	110.03	1.2	ANNUAL	ALL	4
301840.42	4021539.63	0.04882	108.6	108.6	1.2	1-HR	ALL	1ST	8022708	301840.42	4021539.63	0.00495	108.6	108.6	1.2	24-HR	ALL	1ST	7121724	301840.42	4021539.63	0.00059	108.6	108.6	1.2	ANNUAL	ALL	4
301805.22	4021525.31	0.04699	108.22	108.22	1.2	1-HR	ALL	1ST	9121907	301805.22	4021525.31	0.0061	108.22	108.22	1.2	24-HR	ALL	1ST	10011024	301805.22	4021525.31	0.00064	108.22	108.22	1.2	ANNUAL	ALL	4
301699.64	4021482.34	0.04855	108.29	108.29	1.2	1-HR	ALL	1ST	8022904	301699.64	4021482.34	0.00673	108.29	108.29	1.2	24-HR	ALL	1ST	7022424	301699.64	4021482.34	0.00083	108.29	108.29	1.2	ANNUAL	ALL	4
301664.44	4021468.02	0.0509	108.46	108.46	1.2	1-HR	ALL	1ST	9011109	301664.44	4021468.02	0.00862	108.46	108.46	1.2	24-HR	ALL	1ST	9120624	301664.44	4021468.02	0.00097	108.46	108.46	1.2	ANNUAL	ALL	4
301629.25	4021453.69	0.05551	108.85	108.85	1.2	1-HR	ALL	1ST	10121019	301629.25	4021453.69	0.01006	108.85	108.85	1.2	24-HR	ALL	1ST	9120624	301629.25	4021453.69	0.00112	108.85	108.85	1.2	ANNUAL	ALL	4
301594.06	4021439.37	0.05635	108.85	108.85	1.2	1-HR	ALL	1ST	10122809	301594.06	4021439.37	0.01098	108.85	108.85	1.2	24-HR	ALL	1ST	9021324	301594.06	4021439.37	0.00123	108.85	108.85	1.2	ANNUAL	ALL	4
301558.86	4021425.05	0.05434	108.87	108.87	1.2	1-HR	ALL	1ST	8022808	301558.86	4021425.05	0.01192	108.87	108.87	1.2	24-HR	ALL	1ST	8021524	301558.86	4021425.05	0.00127	108.87	108.87	1.2	ANNUAL	ALL	4
301508.7	4021375.8	0.05328	109.63	109.63	1.2	1-HR	ALL	1ST	8022703	301508.7	4021375.8	0.00994	109.63	109.63	1.2	24-HR	ALL	1ST	8122124	301508.7	4021375.8	0.00142	109.63	109.63	1.2	ANNUAL	ALL	4
301493.74	4021340.87	0.05754	109.71	109.71	1.2	1-HR	ALL	1ST	7122409	301493.74	4021340.87	0.01039	109.71	109.71	1.2	24-HR	ALL	1ST	7122224	301493.74	4021340.87	0.00157	109.71	109.71	1.2	ANNUAL	ALL	4
301478.78	4021305.94	0.05674	109.73	109.73	1.2	1-HR	ALL	1ST	7021508	301478.78	4021305.94	0.01282	109.73	109.73	1.2	24-HR	ALL	1ST	7021424	301478.78	4021305.94	0.00173	109.73	109.73	1.2	ANNUAL	ALL	4
301463.81	4021271.02	0.06009	109.73	109.73	1.2	1-HR	ALL	1ST	10121316	301463.81	4021271.02	0.01118	109.73	109.73	1.2	24-HR	ALL	1ST	9011924	301463.81	4021271.02	0.00186	109.73	109.73	1.2	ANNUAL	ALL	4
301448.85	4021236.09	0.05885	109.73	109.73	1.2	1-HR	ALL	1ST	10121022	301448.85	4021236.09	0.01294	109.73	109.73	1.2	24-HR	ALL	1ST	7013024	301448.85	4021236.09	0.00187	109.73	109.73	1.2	ANNUAL	ALL	4
301433.89	4021201.16	0.05864	109.73	109.73	1.2	1-HR	ALL	1ST	10010709	301433.89	4021201.16	0.01165	109.73	109.73	1.2	24-HR	ALL	1ST	7012524	301433.89	4021201.16	0.00176	109.73	109.73	1.2	ANNUAL	ALL	4
301418.93	4021166.24	0.05762	109.72	109.72	1.2	1-HR	ALL	1ST	9123006	301418.93	4021166.24	0.01356	109.72	109.72	1.2	24-HR	ALL	1ST	10120924	301418.93	4021166.24	0.00159	109.72	109.72	1.2	ANNUAL	ALL	4
301403.96	4021131.31	0.05669	109.44	109.44	1.2	1-HR	ALL	1ST	10020321	301403.96	4021131.31	0.01153	109.44	109.44	1.2	24-HR	ALL	1ST	8012424	301403.96	4021131.31	0.00139	109.44	109.44	1.2	ANNUAL	ALL	4
301389	4021096.38	0.05581	109.42	109.42	1.2	1-HR	ALL	1ST	10122303	301389	4021096.38	0.01199	109.42	109.42	1.2	24-HR	ALL	1ST	8122424	301389	4021096.38	0.00125	109.42	109.42	1.2	ANNUAL	ALL	4
301913.63	4021553.83	0.04405	109.17	109.17	1.2	1-HR	ALL	1ST	9012406	301913.63	4021553.83	0.00502	109.17	109.17	1.2	24-HR	ALL	1ST	9012424	301913.63	4021553.83	0.00053	109.17	109.17	1.2	ANNUAL	ALL	4
301951.64	4021553.71	0.04571	109.52	109.52	1.2	1-HR	ALL	1ST	7122309	301951.64	4021553.71	0.00514	109.52	109.52	1.2	24-HR	ALL	1ST	8120624	301951.64	4021553.71	0.00052	109.52	109.52	1.2	ANNUAL	ALL	4
301989.66	4021553.59	0.0429	109.67	109.67	1.2	1-HR	ALL	1ST	10122108	301989.66	4021553.59	0.00524	109.67	109.67	1.2	24-HR	ALL	1ST	10010824	301989.66	4021553.59	0.00051	109.67	109.67	1.2	ANNUAL	ALL	4
302027.67	4021553.46	0.04189	109.73	109.73	1.2	1-HR	ALL	1ST	10011104	302027.67	4021553.46	0.00512	109.73	109.73	1.2	24-HR	ALL	1ST	10010824	302027.67	4021553.46	0.00049	109.73	109.73	1.2	ANNUAL	ALL	4
302065.69	4021553.34	0.04237	109.73	109.73	1.2	1-HR	ALL	1ST	9122916	302065.69	4021553.34	0.00436	109.73	109.73	1.2	24-HR	ALL	1ST	9122924	302065.69	4021553.34	0.00046	109.73	109.73	1.2	ANNUAL	ALL	4
301840.74	4021639.63	0.03587	108.52	108.52	1.2	1-HR	ALL	1ST	8022708	301840.74	4021639.63	0.00381	108.52	108.52	1.2	24-HR	ALL	1ST	8121024	301840.74	4021639.63	0.00043	108.52	108.52	1.2	ANNUAL	ALL	4
301805.55	4021625.31	0.03806	108.73	108.73	1.2	1-HR	ALL	1ST	8022708	301805.55	4021625.31	0.00419	108.73	108.73	1.2	24-HR	ALL	1ST	10011024	301805.55	4021625.31	0.00046	108.73	108.73	1.2	ANNUAL	ALL	4
301770.35	4021610.99	0.03964	108.94	108.94	1.2	1-HR	ALL	1ST	7121309	301770.35	4021610.99	0.00505	108.94	108.94	1.2	24-HR	ALL	1ST	10011024	301770.35	4021610.99	0.0005	108.94	108.94	1.2	ANNUAL	ALL	4
301735.16	4021596.66	0.03852	109.16	109.16	1.2	1-HR	ALL	1ST	10121024	301735.16	4021596.66	0.00458	109.16	109.16	1.2	24-HR	ALL	1ST	7120924	301735.16	4021596.66	0.00054	109.16	109.16	1.2	ANNUAL	ALL	4
301699.97	4021582.34	0.04151	109.2	109.2	1.2	1-HR	ALL	1ST	9010709	301699.97	4021582.34	0.00464	109.2	109.2	1.2	24-HR	ALL	1ST	9120524	301699.97	4021582.34	0.00057	109.2	109.2	1.2	ANNUAL	ALL	4
301664.77	4021568.02	0.03857	109.18	109.18	1.2	1-HR	ALL	1ST	8022904	301664.77	4021568.02	0.00514	109.18	109.18	1.2	24-HR	ALL	1ST	7022424	301664.77	4021568.02	0.00062	109.18	109.18	1.2	ANNUAL	ALL	4
301629.58	4021553.69	0.03878	109.24	109.24	1.2	1-HR	ALL	1ST	9011109	301629.58	4021553.69	0.00616	109.24	109.24	1.2	24-HR	ALL	1ST	9120624	301629.58	4021553.69	0.0007	109.24	109.24	1.2	ANNUAL	ALL	4
301594.38	4021539.37	0.04341	109.35	109.35	1.2	1-HR	ALL	1ST	10012808	301594.38	4021539.37	0.00775	109.35	109.35	1.2	24-HR	ALL	1ST	9120624	301594.38	4021539.37	0.0008	109.35	109.35	1.2	ANNUAL	ALL	4
301559.19	4021525.05	0.04362	109.43	109.43	1.2	1-HR	ALL	1ST	9122924	301559.19	4021525.05	0.00835	109.43	109.43	1.2	24-HR	ALL	1ST	9021324	301559.19	4021525.05	0.00089	109.43	109.43	1.2	ANNUAL	ALL	4
301523.99	4021510.72	0.04668	109.4	109.4	1.2	1-HR	ALL	1ST	10122809	301523.99	4021510.72	0.00882	109.4	109.4	1.2	24-HR	ALL	1ST	8021524	301523.99	4021510.72	0.00094	109.4	109.4	1.2	ANNUAL	ALL	4
301488.8	4021496.4	0.0428	108.4	108.4	1.2	1-HR	ALL	1ST	8022808	301488.8	4021496.4	0.00906	108.4	108.4	1.2	24-HR	ALL	1ST	8021524	301488.8	4021496.4	0.00095	108.4	108.4	1.2	ANNUAL	ALL	4
301438.64	4021447.15	0.0421	108.87	108.87	1.2	1-HR	ALL	1ST	8022703	301438.64	4021447.15	0.00774	108.87	108.87	1.2	24-HR	ALL	1ST	8122124	301438.64	4021447.15	0.00105	108.87	108.87	1.2	ANNUAL	ALL	4
301423.68	4021412.22	0.04384	109.26	109.26	1.2	1-HR	ALL	1ST	10021608	301423.68	4021412.22	0.00813	109.26	109.26	1.2	24-HR	ALL	1ST	7122224	301423.68	4021412.22	0.00114	109.26	109.26	1.2	ANNUAL	ALL	4
301408.72	4021377.3	0.04398	109.42	109.42	1.2	1-HR	ALL	1ST	7021404	301408.72	4021377.3	0.00936	109.42	109.42	1.2	24-HR	ALL	1ST	7021424	301408.72	4021377.3	0.00125	109.42	109.42	1.2	ANNUAL	ALL	4
301393.75	4021342.37	0.04486	109.42	109.42	1.2	1-HR	ALL	1ST	9021801	301393.75	4021342.37	0.00966	109.42	109.42	1.2	24-HR	ALL	1ST	7021424	301393.75	4021342.37	0.00135	109.42	109.42	1.2	ANNUAL	ALL	4
301378.79	4021307.44	0.04996	109.43	109.43	1.2	1-HR	ALL	1ST	10121316	301378.79	4021307.44	0.00863	109.43	109.43	1.2	24-HR	ALL	1ST	7013024	301378.79	4021307.44	0.00141	109.43	109.43	1.2	ANNUAL	ALL	4
301363.83	4021272.52	0.04635	109.46	109.46	1.2	1-HR	ALL	1ST	10121022	301363.83	4021272.52	0.00997	109.46	109.46	1.2	24-HR	ALL	1ST	7013024	301363.83	4021272.52	0.0014	109.46	109.46	1.2	ANNUAL	ALL	4
301348.86	4021237.59	0.04648	109.42	109.42	1.2	1-HR	ALL	1ST	9121108	301348.86	4021237.59	0.00891	109.42	109.42	1.2	24-HR	ALL	1ST	7012524	301348.86	4021237.59	0.00133	109.42	109.42	1.2	ANNUAL	ALL	4
301333.9	4021202.66	0.04603	109.42	109.42	1.2	1-HR	ALL	1ST	9122617	301333.9	4021202.66	0.01057	109.42	109.42	1.2	24-HR	ALL	1ST	10120924	301333.9	4021202.66	0.00122	109.42	109.42	1.2	ANNUAL	ALL	4
301318.94	4021167.73	0.04511	109.42	109.42	1.2	1-HR	ALL	1ST	10020724	301318.94	4021167.73	0.00917	109.42	109.42	1.2	24-HR	ALL	1ST	10123124	301318.94	4021167.73	0.0011	109.42	109.42	1.2	ANNUAL	ALL	4
301303.97	4021132.81	0.04446	109.42	109.42	1.2	1-HR	ALL	1ST	10121623	301303.97	4021132.81	0.0091	109.42	109.42	1.2	24-HR	ALL	1ST	8122424	301303.97	4021132.81	0.00098	109.42	109.42	1.2	ANNUAL	ALL	4
301289.01	4021097.88	0.0445	109.31	109.31	1.2	1-HR	ALL	1ST	10011009	301289.01	4021097.88	0.01003	109.31	109.31	1.2	24-HR	ALL	1ST	8122324	301289.01	4021097.88	0.00091	109.31	109.31	1.2	ANNUAL	ALL	4
301913.95	4021653.83	0.03478	108.2	108.2	1.2	1-HR	ALL	1ST	9012406	301913.95	4021653.83	0.00386	108.2	108.2	1.2	24-HR	ALL	1ST	10121024	301913.95	4021653.83	0.00039	108.2	108.2	1.2	ANNUAL	ALL	4
301951.97	4021653.71	0.03702	108.32	108.32	1.2	1-HR	ALL	1ST	7122309	301951.97	4021653.71	0.00389	108.32	108.32	1.2	24-HR	ALL	1ST	8120624	301951.97	4021653.71	0.00039	108.32	108.32	1.2	ANNUAL	ALL	4
301989.99	4021653.58	0.03437	108.36	108.36	1.2	1-HR	ALL	1ST	9012404	301989.99	4021653.58	0.00391	108.36	108.36	1.2	24-HR	ALL	1ST	8120624	301989.99	4021653.58	0.00038	108.36	108.36	1.2	ANNUAL	ALL	4
302028	4021653.46	0.03393	108.36	108.36	1.2	1-HR	ALL	1ST	9020423	302028	4021653.46	0.00416	108.36	108.36	1.2	24-HR	ALL	1ST	10010824	302028	4021653.46	0.00037	108.36	108.36	1.2	ANNUAL	ALL	4
302066.02	4021653.34	0.03532	108.36	108.36	1.2	1-HR	ALL	1ST	9122916	302066.02	4021653.34	0.00369	108.36	108.36	1.2	24-HR	ALL	1ST	10010824	302066.02	4021653.34	0.00036	108.36	108.36	1.2	ANNUAL	ALL	4
301841.07	4021739.63	0.0296	109.23	109.23	1.2	1-HR	ALL	1ST	10011621	301841.07	4021739.63	0.00307	109.23	109.23	1.2	24-HR	ALL	1ST	8121024	301841.07	4021739.63	0.00033	109.23	109.23	1.2	ANNUAL	ALL	4
301805.87	4021725.31	0.03276	109.46	109.46	1.2	1-HR	ALL	1ST	8022708	301805.87	4021725.31	0.00318	109.46	109.46	1.2	24-HR	ALL	1ST	7121724	301805.87	4021725.31	0.00035	109.46	109.46	1.

301218.95	4021169.23	0.03656	109.15	109.15	1.2	1-HR	ALL	1ST	8010505	301218.95	4021169.23	0.0069	109.15	109.15	1.2	24-HR	ALL	1ST	8012424	301218.95	4021169.23	0.0008	109.15	109.15	1.2	ANNUAL	ALL	4
301203.98	4021134.31	0.03616	109.12	109.12	1.2	1-HR	ALL	1ST	10122303	301203.98	4021134.31	0.00754	109.12	109.12	1.2	24-HR	ALL	1ST	8122424	301203.98	4021134.31	0.00074	109.12	109.12	1.2	ANNUAL	ALL	4
301189.02	4021099.38	0.03832	109.12	109.12	1.2	1-HR	ALL	1ST	10011009	301189.02	4021099.38	0.00876	109.12	109.12	1.2	24-HR	ALL	1ST	8122324	301189.02	4021099.38	0.0007	109.12	109.12	1.2	ANNUAL	ALL	4
301876.26	4021753.96	0.02932	109.11	109.11	1.2	1-HR	ALL	1ST	10121017	301876.26	4021753.96	0.00345	109.11	109.11	1.2	24-HR	ALL	1ST	10121024	301876.26	4021753.96	0.00031	109.11	109.11	1.2	ANNUAL	ALL	4
301914.28	4021753.83	0.02837	109.08	109.08	1.2	1-HR	ALL	1ST	9012406	301914.28	4021753.83	0.00313	109.08	109.08	1.2	24-HR	ALL	1ST	10121024	301914.28	4021753.83	0.00031	109.08	109.08	1.2	ANNUAL	ALL	4
301952.3	4021753.71	0.03008	109.08	109.08	1.2	1-HR	ALL	1ST	7122309	301952.3	4021753.71	0.00303	109.08	109.08	1.2	24-HR	ALL	1ST	8120624	301952.3	4021753.71	0.0003	109.08	109.08	1.2	ANNUAL	ALL	4
301990.31	4021753.58	0.02802	109.08	109.08	1.2	1-HR	ALL	1ST	9012404	301990.31	4021753.58	0.0032	109.08	109.08	1.2	24-HR	ALL	1ST	8120624	301990.31	4021753.58	0.0003	109.08	109.08	1.2	ANNUAL	ALL	4
302028.33	4021753.46	0.02782	109.07	109.07	1.2	1-HR	ALL	1ST	10122108	302028.33	4021753.46	0.00323	109.07	109.07	1.2	24-HR	ALL	1ST	10010824	302028.33	4021753.46	0.00029	109.07	109.07	1.2	ANNUAL	ALL	4
302066.34	4021753.34	0.02736	109.07	109.07	1.2	1-HR	ALL	1ST	10010819	302066.34	4021753.34	0.00333	109.07	109.07	1.2	24-HR	ALL	1ST	10010824	302066.34	4021753.34	0.00028	109.07	109.07	1.2	ANNUAL	ALL	4
301841.4	4021839.63	0.02487	109.73	109.73	1.2	1-HR	ALL	1ST	10011621	301841.4	4021839.63	0.00252	109.73	109.73	1.2	24-HR	ALL	1ST	10121024	301841.4	4021839.63	0.00026	109.73	109.73	1.2	ANNUAL	ALL	4
301806.2	4021825.31	0.02716	109.74	109.74	1.2	1-HR	ALL	1ST	8022708	301806.2	4021825.31	0.00258	109.74	109.74	1.2	24-HR	ALL	1ST	7121724	301806.2	4021825.31	0.00028	109.74	109.74	1.2	ANNUAL	ALL	4
301771.01	4021810.99	0.02515	109.8	109.8	1.2	1-HR	ALL	1ST	10021502	301771.01	4021810.99	0.00289	109.8	109.8	1.2	24-HR	ALL	1ST	10011024	301771.01	4021810.99	0.00029	109.8	109.8	1.2	ANNUAL	ALL	4
301735.81	4021796.66	0.02663	109.92	109.92	1.2	1-HR	ALL	1ST	7121309	301735.81	4021796.66	0.00336	109.92	109.92	1.2	24-HR	ALL	1ST	10011024	301735.81	4021796.66	0.00031	109.92	109.92	1.2	ANNUAL	ALL	4
301700.62	4021782.34	0.02692	109.98	109.98	1.2	1-HR	ALL	1ST	7121309	301700.62	4021782.34	0.00323	109.98	109.98	1.2	24-HR	ALL	1ST	10011024	301700.62	4021782.34	0.00033	109.98	109.98	1.2	ANNUAL	ALL	4
301665.42	4021768.02	0.02597	110	110	1.2	1-HR	ALL	1ST	10121024	301665.42	4021768.02	0.00315	110	110	1.2	24-HR	ALL	1ST	7120924	301665.42	4021768.02	0.00034	110	110	1.2	ANNUAL	ALL	4
301630.23	4021753.69	0.02921	110.03	110.03	1.2	1-HR	ALL	1ST	9010709	301630.23	4021753.69	0.00321	110.03	110.03	1.2	24-HR	ALL	1ST	9120524	301630.23	4021753.69	0.00036	110.03	110.03	1.2	ANNUAL	ALL	4
301595.03	4021739.37	0.02656	110.03	110.03	1.2	1-HR	ALL	1ST	8022904	301595.03	4021739.37	0.00337	110.03	110.03	1.2	24-HR	ALL	1ST	9120524	301595.03	4021739.37	0.00038	110.03	110.03	1.2	ANNUAL	ALL	4
301559.84	4021725.05	0.02752	110.03	110.03	1.2	1-HR	ALL	1ST	8012617	301559.84	4021725.05	0.00356	110.03	110.03	1.2	24-HR	ALL	1ST	9120624	301559.84	4021725.05	0.00042	110.03	110.03	1.2	ANNUAL	ALL	4
301524.65	4021710.72	0.02821	109.88	109.88	1.2	1-HR	ALL	1ST	9011109	301524.65	4021710.72	0.00462	109.88	109.88	1.2	24-HR	ALL	1ST	9120624	301524.65	4021710.72	0.00047	109.88	109.88	1.2	ANNUAL	ALL	4
301489.45	4021696.4	0.03057	109.73	109.73	1.2	1-HR	ALL	1ST	10012808	301489.45	4021696.4	0.00525	109.73	109.73	1.2	24-HR	ALL	1ST	9120624	301489.45	4021696.4	0.00052	109.73	109.73	1.2	ANNUAL	ALL	4
301454.26	4021682.08	0.03012	109.73	109.73	1.2	1-HR	ALL	1ST	9122924	301454.26	4021682.08	0.00553	109.73	109.73	1.2	24-HR	ALL	1ST	9021324	301454.26	4021682.08	0.00057	109.73	109.73	1.2	ANNUAL	ALL	4
301419.06	4021667.75	0.03189	109.73	109.73	1.2	1-HR	ALL	1ST	10122809	301419.06	4021667.75	0.00551	109.73	109.73	1.2	24-HR	ALL	1ST	8021524	301419.06	4021667.75	0.00059	109.73	109.73	1.2	ANNUAL	ALL	4
301383.87	4021653.43	0.02922	109.73	109.73	1.2	1-HR	ALL	1ST	7021007	301383.87	4021653.43	0.00627	109.73	109.73	1.2	24-HR	ALL	1ST	8021524	301383.87	4021653.43	0.0006	109.73	109.73	1.2	ANNUAL	ALL	4
301348.67	4021639.11	0.02859	109.73	109.73	1.2	1-HR	ALL	1ST	8021922	301348.67	4021639.11	0.00567	109.73	109.73	1.2	24-HR	ALL	1ST	8021524	301348.67	4021639.11	0.0006	109.73	109.73	1.2	ANNUAL	ALL	4
301298.52	4021589.86	0.02877	108.36	108.36	1.2	1-HR	ALL	1ST	7120607	301298.52	4021589.86	0.00511	108.36	108.36	1.2	24-HR	ALL	1ST	8122124	301298.52	4021589.86	0.00065	108.36	108.36	1.2	ANNUAL	ALL	4
301283.55	4021554.93	0.02932	109.56	109.56	1.2	1-HR	ALL	1ST	9013121	301283.55	4021554.93	0.00525	109.56	109.56	1.2	24-HR	ALL	1ST	7122224	301283.55	4021554.93	0.00069	109.56	109.56	1.2	ANNUAL	ALL	4
301268.59	4021520	0.0314	109.73	109.73	1.2	1-HR	ALL	1ST	7122409	301268.59	4021520	0.0052	109.73	109.73	1.2	24-HR	ALL	1ST	7122224	301268.59	4021520	0.00074	109.73	109.73	1.2	ANNUAL	ALL	4
301253.63	4021485.08	0.0304	109.73	109.73	1.2	1-HR	ALL	1ST	7021404	301253.63	4021485.08	0.00637	109.73	109.73	1.2	24-HR	ALL	1ST	7021424	301253.63	4021485.08	0.00079	109.73	109.73	1.2	ANNUAL	ALL	4
301238.66	4021450.15	0.03084	109.73	109.73	1.2	1-HR	ALL	1ST	7021508	301238.66	4021450.15	0.00652	109.73	109.73	1.2	24-HR	ALL	1ST	7021424	301238.66	4021450.15	0.00085	109.73	109.73	1.2	ANNUAL	ALL	4
301223.7	4021415.22	0.03154	109.73	109.73	1.2	1-HR	ALL	1ST	10121316	301223.7	4021415.22	0.00592	109.73	109.73	1.2	24-HR	ALL	1ST	9011924	301223.7	4021415.22	0.00089	109.73	109.73	1.2	ANNUAL	ALL	4
301208.74	4021380.29	0.03275	109.73	109.73	1.2	1-HR	ALL	1ST	10121316	301208.74	4021380.29	0.00623	109.73	109.73	1.2	24-HR	ALL	1ST	7013024	301208.74	4021380.29	0.0009	109.73	109.73	1.2	ANNUAL	ALL	4
301193.77	4021345.37	0.03199	109.73	109.73	1.2	1-HR	ALL	1ST	10020808	301193.77	4021345.37	0.0065	109.73	109.73	1.2	24-HR	ALL	1ST	7013024	301193.77	4021345.37	0.00088	109.73	109.73	1.2	ANNUAL	ALL	4
301178.81	4021310.44	0.03197	109.73	109.73	1.2	1-HR	ALL	1ST	9121108	301178.81	4021310.44	0.00575	109.73	109.73	1.2	24-HR	ALL	1ST	7012524	301178.81	4021310.44	0.00084	109.73	109.73	1.2	ANNUAL	ALL	4
301163.85	4021275.51	0.03361	109.42	109.42	1.2	1-HR	ALL	1ST	10010709	301163.85	4021275.51	0.0067	109.42	109.42	1.2	24-HR	ALL	1ST	10120924	301163.85	4021275.51	0.0008	109.42	109.42	1.2	ANNUAL	ALL	4
301148.89	4021240.59	0.03137	109.42	109.42	1.2	1-HR	ALL	1ST	7020108	301148.89	4021240.59	0.00704	109.42	109.42	1.2	24-HR	ALL	1ST	10120924	301148.89	4021240.59	0.00074	109.42	109.42	1.2	ANNUAL	ALL	4
301133.92	4021205.66	0.03112	109.2	109.2	1.2	1-HR	ALL	1ST	10020724	301133.92	4021205.66	0.00603	109.2	109.2	1.2	24-HR	ALL	1ST	10123124	301133.92	4021205.66	0.00067	109.2	109.2	1.2	ANNUAL	ALL	4
301118.96	4021170.73	0.03061	109.12	109.12	1.2	1-HR	ALL	1ST	10121623	301118.96	4021170.73	0.00593	109.12	109.12	1.2	24-HR	ALL	1ST	8122424	301118.96	4021170.73	0.00062	109.12	109.12	1.2	ANNUAL	ALL	4
301104	4021135.8	0.03009	109.12	109.12	1.2	1-HR	ALL	1ST	10122303	301104	4021135.8	0.00617	109.12	109.12	1.2	24-HR	ALL	1ST	8122424	301104	4021135.8	0.00058	109.12	109.12	1.2	ANNUAL	ALL	4
301089.03	4021100.88	0.03233	109.12	109.12	1.2	1-HR	ALL	1ST	10011009	301089.03	4021100.88	0.00767	109.12	109.12	1.2	24-HR	ALL	1ST	8122324	301089.03	4021100.88	0.00055	109.12	109.12	1.2	ANNUAL	ALL	4
301876.59	4021853.96	0.02446	109.73	109.73	1.2	1-HR	ALL	1ST	10121017	301876.59	4021853.96	0.00287	109.73	109.73	1.2	24-HR	ALL	1ST	10121024	301876.59	4021853.96	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301914.61	4021853.83	0.02378	109.73	109.73	1.2	1-HR	ALL	1ST	10120808	301914.61	4021853.83	0.00261	109.73	109.73	1.2	24-HR	ALL	1ST	10121024	301914.61	4021853.83	0.00025	109.73	109.73	1.2	ANNUAL	ALL	4
301952.62	4021853.71	0.02463	109.73	109.73	1.2	1-HR	ALL	1ST	7122309	301952.62	4021853.71	0.00244	109.73	109.73	1.2	24-HR	ALL	1ST	9012424	301952.62	4021853.71	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
301990.64	4021853.58	0.02391	109.73	109.73	1.2	1-HR	ALL	1ST	7122309	301990.64	4021853.58	0.00261	109.73	109.73	1.2	24-HR	ALL	1ST	8120624	301990.64	4021853.58	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
302028.65	4021853.46	0.02305	109.73	109.73	1.2	1-HR	ALL	1ST	9012404	302028.65	4021853.46	0.00256	109.73	109.73	1.2	24-HR	ALL	1ST	8120624	302028.65	4021853.46	0.00024	109.73	109.73	1.2	ANNUAL	ALL	4
302066.67	4021853.34	0.02329	109.73	109.73	1.2	1-HR	ALL	1ST	9020423	302066.67	4021853.34	0.00275	109.73	109.73	1.2	24-HR	ALL	1ST	10010824	302066.67	4021853.34	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
302084.06	4021053.22	0.02948	110.34	110.34	1.2	1-HR	ALL	1ST	10013118	302084.06	4021053.22	0.02341	110.34	110.34	1.2	24-HR	ALL	1ST	9012224	302084.06	4021053.22	0.00344	110.34	110.34	1.2	ANNUAL	ALL	4
302083.86	4021018.48	0.21389	110.34	110.34	1.2	1-HR	ALL	1ST	10021922	302083.86	4021018.48	0.0385	110.34	110.34	1.2	24-HR	ALL	1ST	8011424	302083.86	4021018.48	0.00491	110.34	110.34	1.2	ANNUAL	ALL	4
302083.65	4020983.73	0.20351	110.34	110.34	1.2	1-HR	ALL	1ST	10012820	302083.65	4020983.73	0.04052	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302083.65	4020983.73	0.0065	110.34	110.34	1.2	ANNUAL	ALL	4
302083.45	4020948.98	0.19389	110.34	110.34	1.2	1-HR	ALL	1ST	8123017	302083.45	4020948.98	0.04806	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302083.45	4020948.98	0.0076	110.34	110.34	1.2	ANNUAL	ALL	4
302083.25	4020914.24	0.18368	110.34	110.34	1.2	1-HR	ALL	1ST	7120420	302083.25	4020914.24	0.04529	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	302083.25	4020914.24	0.00799	110.34	110.34	1.2	ANNUAL	ALL	4
302083.04	4020879.49	0.16576	110.26	110.26	1.2	1-HR	ALL	1ST	10121217	302083.04	4020879.49	0.04075	110.26	110.26	1.2	24-HR	ALL	1ST	7030924	302083.04	4020879.49	0.00777	110.26	110.26	1.2	ANNUAL	ALL	4
302104.06	4021053.11	0.18554	110.34	110.34	1.2	1-HR	ALL	1ST	9012301	302104.06	4021053.11	0.02018	110.34	110.34	1.2	24-HR	ALL	1ST	9012224	302104.06	4021053.11	0.00296	110.34	110.34	1.2	ANNUAL	ALL	4
302103.86	4021018.36	0.18827	110.34	110.34	1.2	1-HR	ALL	1ST	10021922	302103.86	4021018.36	0.03359	110.34	110.34	1.2	24-HR	ALL	1ST	8011424	302103.86	4021018.36	0.00412	110.34	110.34	1.2	ANNUAL	ALL	4
302103.65	4020983.61	0.18197	110.34	110.34	1.2	1-HR	ALL	1ST	10020117	302103.65	4020983.61	0.03245	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302103.65	4020983.61	0.00535	110.34	110.34	1.2	ANNUAL	ALL	4
302103.45	4020948.87	0.17411	110.34	110.34	1.2	1-HR	ALL	1ST	7012217	302103.45	4020948.87	0.0434	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302103.45	4020948.87	0.00627	110.34	110.34	1.2	ANNUAL	ALL	4
302103.25	4020914.12	0.15983	110.34	110.34	1.2	1-HR	ALL	1ST	8021908	302103.25	4020914.12	0.03874	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	302103.25	4020914.12	0.00668	110.34	110.34	1.2	ANNUAL	ALL	4
302103.04	4020879.37	0.15354	110.32	110.32	1.2	1-HR	ALL	1ST	7120417	302103.04	4020879.37	0.03555	110.32	110.32	1.2	24-HR	ALL	1ST	8010724	302103.04	4020879.37	0.00672	110.32	110.32	1.2	ANNUAL	ALL	4
302115.37	4021074.28	0.17199	110.34	110.34	1.2	1-HR	ALL	1ST	8120316	302115.37	4021074.28	0.01648	110.34	110.34	1.2	24-HR	ALL	1ST	9012224	302115.37	4021074.28	0.00232	110.34	110.34	1.2	ANNUAL	ALL	4
302085.47	4021104.46	0.1881	110.34	110.34	1.2	1-HR	ALL	1ST	10020317	302085.47	4021104.46	0.02391	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302085.47	4021104.46	0.00233	110.34	110.34	1.2	ANNUAL	ALL	4
302124.06	4021052.99	0.16613	110.34	110.34	1.2	1-HR	ALL	1ST	10021218	302124.06	4021052.99	0.01765	110.34	110.34	1.2	24-HR	ALL	1ST	9122924	302124.06	4021052.99	0.00258	110.34	110.34	1.2	ANNUAL	ALL	4
302123.86	4021018.24	0.16739	110.34	110.34	1.2	1-HR	ALL	1ST	10021922	302123.86	4021018.24	0.02963	110.34	110.34	1.2	24-HR	ALL	1ST	8011424	302123.86	4021018.24	0.00351	110.34	110.34	1.2	ANNUAL	ALL	4
302123.65	4020983.5	0.16709	110.34	110.34	1.2	1-HR	ALL	1ST	10020117	302123.65	4020983.5	0.02665	110.34	110.34	1.2	24-HR	ALL	1ST	8040224	302123.65	4020983.5	0.00448	110.34	110.34	1.2	ANNUAL	ALL	4
302123.45	4020948.75	0.15583	110.34	110.34	1.2	1-HR	ALL	1ST	9012308	302123.45	4020948.75	0.03861	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302123.45	4020948.75	0.00526	110.34	110.34	1.2	ANNUAL	ALL	4
302123.25	4020914	0.14726	110.34	110.34	1.2	1-HR	ALL	1ST	8020517	302123.25	4020914	0.03249	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	302123.25	4020914	0.00565	110.34	110.34	1.2	ANNUAL	ALL	4
302123.04	4020879.26	0.14029	110.34	110.34	1.2	1-HR	ALL	1ST	7021218	302123.04	4020879.26	0.0331	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	302123.04	4020879.26	0.00579	110.34	110.34	1.2	ANNUAL	ALL	4
302132.47	4021081.26	0.15227	110.34	110.34	1.2	1-HR	ALL	1ST	9012218	302132.47	4021081.26	0.01411	110.34	110.34	1.2	24-HR	ALL	1ST	9012224	302132.47	4021081.26	0.002	110.34	110.34	1.2	ANNUAL	ALL	4
302092.6	4021121.49	0.17262	110.34	110.34	1.2	1-HR	ALL	1ST	8021919	302092.6	4021121.49	0.01933	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302092.6	4021121.49	0.00198	110.34	110.34	1.2	ANNUAL	ALL	4
302144.06	4021052.87	0.15084	110.34	110.34	1.2	1-HR	ALL	1ST	10021218	302144.06	4021052.87	0.01575	110.34	110.34	1.2	24-HR	ALL	1ST	8021824	302144.06	4021052.87	0.00227	110.34	110.34	1.2	ANNUAL	ALL	4
302143.86	4021018.13	0.15014	110.34	110.34	1.2	1-HR	ALL	1ST	10021922	302143.86	4021018.13	0.02636	110.34	110.34	1.2	24-HR	ALL	1ST	8011424	302143.86	4021018.13	0.00302	110.34	110.34	1.2	ANNUAL	ALL	4
302143.65	4020983.38	0.15181	110.34	110.34	1.2	1-HR	ALL	1ST	10020117	302143.65	4020983.38	0.02411	110.34	110.34	1.2	24-HR	ALL	1ST	8040224	302143.65	4020983.38	0.00381	110.34	110.34	1.2	ANNUAL	ALL	4
302143.45	4020948.63	0.13958	110.34	110.34	1.2	1-HR	ALL	1ST	10021320	302143.45	4020948.63	0.034	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302143.45	4020948.63	0.00446	110.34	110.34	1.2	ANNUAL	ALL	4
302143.25	4020913.89	0.14147	110.34	110.34	1.2	1-HR	ALL	1ST	8020517	302143.25	4020913.89	0.02865	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302143.25	4020913.89	0.00484	110.34	110.34	1.2	ANNUAL	ALL	4
302143.04	4020879.14	0.12879	110.34	110.34	1.2	1-HR	ALL	1ST	7120420	302143.04	4020879.14	0.02969	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	302143.04	4020879.14	0.005	110.34	110.34	1.2	ANNUAL	ALL	4
302154.4	4021076.41	0.14579	110.34	110.34	1.2	1-HR	ALL	1ST	8120316	302154.4	4021076.41	0.01431	110.34	110.34	1.2	24-HR	ALL	1ST	9012224	302154.4	4021076.41	0.00181	110.34	110.34	1.2	ANNUAL	ALL	4
302144.75	4021100.07	0.1408	110.34	110.34	1.2	1-HR	ALL	1ST	7021823	302144.75	4021100.07	0.01312	110.34	110.34	1.2	24-HR	ALL	1ST	9012724	302144.75	4021100.07	0.00168	110.34	110.34	1.2	ANNUAL	ALL	4
302111.52	4021133.6	0.15317	110.34	110.34	1.2	1-HR	ALL	1ST	8021919	302111.52	4021133.6	0.01634	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302111.52	4021133.6	0.00166	110.34	110.34	1.2	ANNUAL	ALL	4
302164.06	4021052.75	0.13587	110.34	110.34	1.2	1-HR	ALL	1ST	10021218	302164.06	4021052.75	0.01457	110.34	110.34	1.2	24-HR	ALL	1ST	8021824	302164.06	4021052.75	0.00202	110.34	110.34	1.2	ANNUAL	ALL	4
302163.85	4021018.01	0.13567	110.34	110.34	1.2	1-HR	ALL	1ST	10021922	302163.85	4021018.01	0.02368	110.34	110.34	1.2	24-HR	ALL	1ST	8011424	302163.85	4021018.01	0.00264	110.34	110.34	1.2	ANNUAL	ALL	4
302163.65	4020983.26	0.13708	110.34	110.34	1.2	1-HR	ALL	1ST	10020117	302163.65	4020983.26	0.0218	110.34	110.34	1.2	24-HR	ALL	1ST	8040224	302163.65	4020983.26	0.00328	110.34	110.34	1.2	ANNUAL	ALL	4
302163.45	4020948.51	0.12708	110.34	110.34	1.2	1-HR	ALL	1ST	9011819	302163.45	4020948.51	0.02975	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302163.45	4020948.51	0.00383	110.34	110.34	1.2	ANNUAL	ALL	4
302163.24	4020913.77	0.12345	110.34	110.34	1.2	1-HR	ALL	1ST	8020517	302163.24	4020913.77	0.0274	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302163.24	4020913.77	0.00418	110.34	110.34	1.2	ANNUAL	ALL	4
302163.04	4020879.02	0.11337	110.34	110.34	1.2	1-HR	ALL	1ST	8021908	302163.04	4020879.02	0.0264	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	302163.04	4020879.02	0.00435	110.34	110.34	1.2	ANNUAL	ALL	4
302172.47	4021081.03	0.13394	110.34	110.34	1.2	1-HR	ALL	1ST	8120316	302172.47	4021081.03	0.01294	110.34	110.34	1.2	24-HR	ALL	1ST	9012224	302172.47	4021081.03	0.00159	110.34	110.34	1.2	ANNUAL	ALL	4
302160.89	4021109.42	0.12689	110.34	110.34	1.2	1-HR	ALL	1ST	7021823	302160.89	4021109.42	0.01252	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302160.89	4021109.42	0.00147	110.34	110.34	1.2	ANNUAL	ALL	4
302121.02	4021149.65	0.13634	110.34	110.34	1.2	1-HR	ALL	1ST	8010317	302121.02	4021149.65	0.01199	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302121.02	4021149.65	0.00145	110.34	110.34	1.2	ANNUAL	ALL	4
302092.73	4021161.49	0.15566	110.34	110.34	1.2	1-HR	ALL	1ST	10121216	302092.73	4021161.49	0.01493	110.34	110.34	1.2	24-HR	ALL	1ST	10021724	302092.73	4021161.49	0.00161	110.34	110.34	1.2	ANNUAL	ALL	4
302184.06	4021052.64	0.1218	110.34	110.34	1.2	1-HR	ALL	1ST	10021218	302184.06	4021052.64	0.01344	110.34	110.34	1.2	24-HR	ALL	1ST	8021824	302184.06	4021052.64	0.00181	110.34	110.34	1.2	ANNUAL	ALL	4
302183.85	4021017.89	0.1234	110.34	110.34	1.2	1-HR	ALL	1ST	10021922	302183.85	4021017.89	0.0214	110.34	110.34	1.2	24-HR	ALL	1ST	8011424	302183.85	4021017.89	0.00232	110.34	110.34	1.2	ANNUAL	ALL	4
302183.65	4020983.14	0.12335	110.34	110.34	1.2	1-HR	ALL	1ST	10020117	302183.65	4020983.14	0.01994	110.34	110.34	1.2	24-HR	ALL	1ST	8011424	302183.65	4020983.14	0.00286	110.34	110.34	1.2	ANNUAL	ALL

302224.06	4021052.4	0.10326	110.34	110.34	1.2	1-HR	ALL	1ST	10020318	302224.06	4021052.4	0.0114	110.34	110.34	1.2	24-HR	ALL	1ST	8021824	302224.06	4021052.4	0.00148	110.34	110.34	1.2	ANNUAL	ALL	4
302223.85	4021017.66	0.10381	110.34	110.34	1.2	1-HR	ALL	1ST	10021922	302223.85	4021017.66	0.01779	110.34	110.34	1.2	24-HR	ALL	1ST	8011424	302223.85	4021017.66	0.00185	110.34	110.34	1.2	ANNUAL	ALL	4
302223.65	4020982.91	0.10009	110.34	110.34	1.2	1-HR	ALL	1ST	7020119	302223.65	4020982.91	0.01776	110.34	110.34	1.2	24-HR	ALL	1ST	8011424	302223.65	4020982.91	0.00223	110.34	110.34	1.2	ANNUAL	ALL	4
302223.45	4020948.16	0.09941	110.34	110.34	1.2	1-HR	ALL	1ST	9020118	302223.45	4020948.16	0.01976	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302223.45	4020948.16	0.00257	110.34	110.34	1.2	ANNUAL	ALL	4
302223.24	4020913.42	0.09565	110.34	110.34	1.2	1-HR	ALL	1ST	7122917	302223.24	4020913.42	0.02262	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302223.24	4020913.42	0.00284	110.34	110.34	1.2	ANNUAL	ALL	4
302223.04	4020878.67	0.0982	110.34	110.34	1.2	1-HR	ALL	1ST	8020517	302223.04	4020878.67	0.01833	110.34	110.34	1.2	24-HR	ALL	1ST	9010324	302223.04	4020878.67	0.00299	110.34	110.34	1.2	ANNUAL	ALL	4
302231.02	4021084.22	0.10044	110.35	110.35	1.2	1-HR	ALL	1ST	10013118	302231.02	4021084.22	0.01017	110.35	110.35	1.2	24-HR	ALL	1ST	9012224	302231.02	4021084.22	0.00118	110.35	110.35	1.2	ANNUAL	ALL	4
302217.99	4021116.16	0.09972	110.34	110.34	1.2	1-HR	ALL	1ST	7021823	302217.99	4021116.16	0.00883	110.34	110.34	1.2	24-HR	ALL	1ST	9012724	302217.99	4021116.16	0.00108	110.34	110.34	1.2	ANNUAL	ALL	4
302204.95	4021148.1	0.10758	110.34	110.34	1.2	1-HR	ALL	1ST	10020317	302204.95	4021148.1	0.01231	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302204.95	4021148.1	0.00102	110.34	110.34	1.2	ANNUAL	ALL	4
302160.1	4021193.36	0.1098	110.34	110.34	1.2	1-HR	ALL	1ST	10121216	302160.1	4021193.36	0.00946	110.34	110.34	1.2	24-HR	ALL	1ST	9031524	302160.1	4021193.36	0.001	110.34	110.34	1.2	ANNUAL	ALL	4
302128.28	4021206.69	0.11284	110.34	110.34	1.2	1-HR	ALL	1ST	7122423	302128.28	4021206.69	0.01179	110.34	110.34	1.2	24-HR	ALL	1ST	10021724	302128.28	4021206.69	0.00113	110.34	110.34	1.2	ANNUAL	ALL	4
302096.46	4021220.01	0.12129	110.34	110.34	1.2	1-HR	ALL	1ST	7120723	302096.46	4021220.01	0.01479	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302096.46	4021220.01	0.00131	110.34	110.34	1.2	ANNUAL	ALL	4
302244.06	4021052.29	0.09664	110.48	110.48	1.2	1-HR	ALL	1ST	10020318	302244.06	4021052.29	0.01048	110.48	110.48	1.2	24-HR	ALL	1ST	8021824	302244.06	4021052.29	0.00134	110.48	110.48	1.2	ANNUAL	ALL	4
302243.85	4021017.54	0.09586	110.48	110.48	1.2	1-HR	ALL	1ST	10021922	302243.85	4021017.54	0.01634	110.48	110.48	1.2	24-HR	ALL	1ST	8011424	302243.85	4021017.54	0.00166	110.48	110.48	1.2	ANNUAL	ALL	4
302243.65	4020982.79	0.09259	110.48	110.48	1.2	1-HR	ALL	1ST	7020119	302243.65	4020982.79	0.01674	110.48	110.48	1.2	24-HR	ALL	1ST	8011424	302243.65	4020982.79	0.00199	110.48	110.48	1.2	ANNUAL	ALL	4
302243.45	4020948.05	0.09159	110.48	110.48	1.2	1-HR	ALL	1ST	9020118	302243.45	4020948.05	0.01728	110.48	110.48	1.2	24-HR	ALL	1ST	9010324	302243.45	4020948.05	0.00229	110.48	110.48	1.2	ANNUAL	ALL	4
302243.24	4020913.3	0.08964	110.47	110.47	1.2	1-HR	ALL	1ST	9012308	302243.24	4020913.3	0.02084	110.47	110.47	1.2	24-HR	ALL	1ST	9010324	302243.24	4020913.3	0.00253	110.47	110.47	1.2	ANNUAL	ALL	4
302243.04	4020878.55	0.08958	110.43	110.43	1.2	1-HR	ALL	1ST	8020517	302243.04	4020878.55	0.01782	110.43	110.43	1.2	24-HR	ALL	1ST	9010324	302243.04	4020878.55	0.00267	110.43	110.43	1.2	ANNUAL	ALL	4
302252.47	4021080.56	0.09303	110.57	110.57	1.2	1-HR	ALL	1ST	9012301	302252.47	4021080.56	0.00975	110.57	110.57	1.2	24-HR	ALL	1ST	9122924	302252.47	4021080.56	0.0011	110.57	110.57	1.2	ANNUAL	ALL	4
302240.88	4021108.95	0.09394	110.45	110.45	1.2	1-HR	ALL	1ST	9012218	302240.88	4021108.95	0.00823	110.45	110.45	1.2	24-HR	ALL	1ST	9012224	302240.88	4021108.95	0.00101	110.45	110.45	1.2	ANNUAL	ALL	4
302229.3	4021137.34	0.09401	110.34	110.34	1.2	1-HR	ALL	1ST	10010818	302229.3	4021137.34	0.00937	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302229.3	4021137.34	0.00096	110.34	110.34	1.2	ANNUAL	ALL	4
302217.71	4021165.73	0.09471	110.34	110.34	1.2	1-HR	ALL	1ST	8022108	302217.71	4021165.73	0.01163	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302217.71	4021165.73	0.0009	110.34	110.34	1.2	ANNUAL	ALL	4
302177.84	4021205.96	0.10145	110.34	110.34	1.2	1-HR	ALL	1ST	10121216	302177.84	4021205.96	0.00856	110.34	110.34	1.2	24-HR	ALL	1ST	9031524	302177.84	4021205.96	0.00089	110.34	110.34	1.2	ANNUAL	ALL	4
302149.56	4021217.8	0.10378	110.34	110.34	1.2	1-HR	ALL	1ST	10011417	302149.56	4021217.8	0.0106	110.34	110.34	1.2	24-HR	ALL	1ST	10021724	302149.56	4021217.8	0.00098	110.34	110.34	1.2	ANNUAL	ALL	4
302121.28	4021229.65	0.10776	110.34	110.34	1.2	1-HR	ALL	1ST	9122418	302121.28	4021229.65	0.01044	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302121.28	4021229.65	0.00111	110.34	110.34	1.2	ANNUAL	ALL	4
302092.99	4021241.49	0.11373	110.34	110.34	1.2	1-HR	ALL	1ST	8010507	302092.99	4021241.49	0.01594	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302092.99	4021241.49	0.00126	110.34	110.34	1.2	ANNUAL	ALL	4
302264.06	4021052.17	0.09034	110.64	110.64	1.2	1-HR	ALL	1ST	10020318	302264.06	4021052.17	0.00965	110.64	110.64	1.2	24-HR	ALL	1ST	8021824	302264.06	4021052.17	0.00123	110.64	110.64	1.2	ANNUAL	ALL	4
302263.85	4021017.42	0.08888	110.64	110.64	1.2	1-HR	ALL	1ST	10021922	302263.85	4021017.42	0.01507	110.64	110.64	1.2	24-HR	ALL	1ST	8011424	302263.85	4021017.42	0.00151	110.64	110.64	1.2	ANNUAL	ALL	4
302263.65	4020982.68	0.08643	110.64	110.64	1.2	1-HR	ALL	1ST	10122817	302263.65	4020982.68	0.01579	110.64	110.64	1.2	24-HR	ALL	1ST	8011424	302263.65	4020982.68	0.00179	110.64	110.64	1.2	ANNUAL	ALL	4
302263.45	4020947.93	0.0848	110.64	110.64	1.2	1-HR	ALL	1ST	10010218	302263.45	4020947.93	0.01516	110.64	110.64	1.2	24-HR	ALL	1ST	9010324	302263.45	4020947.93	0.00205	110.64	110.64	1.2	ANNUAL	ALL	4
302263.24	4020913.18	0.08296	110.64	110.64	1.2	1-HR	ALL	1ST	10021320	302263.24	4020913.18	0.01908	110.64	110.64	1.2	24-HR	ALL	1ST	9010324	302263.24	4020913.18	0.00226	110.64	110.64	1.2	ANNUAL	ALL	4
302263.04	4020878.44	0.07929	110.56	110.56	1.2	1-HR	ALL	1ST	8012223	302263.04	4020878.44	0.01724	110.56	110.56	1.2	24-HR	ALL	1ST	9010324	302263.04	4020878.44	0.0024	110.56	110.56	1.2	ANNUAL	ALL	4
302301.99	4021081.45	0.07778	110.64	110.64	1.2	1-HR	ALL	1ST	10021218	302301.99	4021081.45	0.00826	110.64	110.64	1.2	24-HR	ALL	1ST	9122924	302301.99	4021081.45	0.0009	110.64	110.64	1.2	ANNUAL	ALL	4
302289.92	4021111.02	0.08449	110.64	110.64	1.2	1-HR	ALL	1ST	8120316	302289.92	4021111.02	0.00757	110.64	110.64	1.2	24-HR	ALL	1ST	9012224	302289.92	4021111.02	0.00082	110.64	110.64	1.2	ANNUAL	ALL	4
302277.85	4021140.59	0.08093	110.64	110.64	1.2	1-HR	ALL	1ST	7021823	302277.85	4021140.59	0.00693	110.64	110.64	1.2	24-HR	ALL	1ST	9012724	302277.85	4021140.59	0.00078	110.64	110.64	1.2	ANNUAL	ALL	4
302265.78	4021170.17	0.08476	110.54	110.54	1.2	1-HR	ALL	1ST	10020317	302265.78	4021170.17	0.00938	110.54	110.54	1.2	24-HR	ALL	1ST	8010624	302265.78	4021170.17	0.00075	110.54	110.54	1.2	ANNUAL	ALL	4
302253.71	4021199.74	0.08055	110.34	110.34	1.2	1-HR	ALL	1ST	10120322	302253.71	4021199.74	0.00889	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302253.71	4021199.74	0.0007	110.34	110.34	1.2	ANNUAL	ALL	4
302212.18	4021241.65	0.08855	110.34	110.34	1.2	1-HR	ALL	1ST	10121216	302212.18	4021241.65	0.00711	110.34	110.34	1.2	24-HR	ALL	1ST	10021724	302212.18	4021241.65	0.0007	110.34	110.34	1.2	ANNUAL	ALL	4
302182.72	4021253.99	0.08521	110.34	110.34	1.2	1-HR	ALL	1ST	8010818	302182.72	4021253.99	0.00864	110.34	110.34	1.2	24-HR	ALL	1ST	10021724	302182.72	4021253.99	0.00077	110.34	110.34	1.2	ANNUAL	ALL	4
302153.26	4021266.32	0.0902	110.34	110.34	1.2	1-HR	ALL	1ST	9122418	302153.26	4021266.32	0.00936	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302153.26	4021266.32	0.00087	110.34	110.34	1.2	ANNUAL	ALL	4
302123.8	4021278.66	0.093	110.33	110.33	1.2	1-HR	ALL	1ST	8010507	302123.8	4021278.66	0.01302	110.33	110.33	1.2	24-HR	ALL	1ST	10011024	302123.8	4021278.66	0.00097	110.33	110.33	1.2	ANNUAL	ALL	4
302094.34	4021291	0.09711	110.2	110.2	1.2	1-HR	ALL	1ST	8021904	302094.34	4021291	0.0096	110.2	110.2	1.2	24-HR	ALL	1ST	10011024	302094.34	4021291	0.00107	110.2	110.2	1.2	ANNUAL	ALL	4
302314.06	4021051.88	0.07629	110.64	110.64	1.2	1-HR	ALL	1ST	10020318	302314.06	4021051.88	0.00789	110.64	110.64	1.2	24-HR	ALL	1ST	8021824	302314.06	4021051.88	0.001	110.64	110.64	1.2	ANNUAL	ALL	4
302313.85	4021017.13	0.07481	110.64	110.64	1.2	1-HR	ALL	1ST	10021922	302313.85	4021017.13	0.01253	110.64	110.64	1.2	24-HR	ALL	1ST	8011424	302313.85	4021017.13	0.0012	110.64	110.64	1.2	ANNUAL	ALL	4
302313.65	4020982.38	0.07345	110.64	110.64	1.2	1-HR	ALL	1ST	10122817	302313.65	4020982.38	0.01368	110.64	110.64	1.2	24-HR	ALL	1ST	8011424	302313.65	4020982.38	0.0014	110.64	110.64	1.2	ANNUAL	ALL	4
302313.45	4020947.64	0.07208	110.64	110.64	1.2	1-HR	ALL	1ST	10020117	302313.45	4020947.64	0.0111	110.64	110.64	1.2	24-HR	ALL	1ST	9010324	302313.45	4020947.64	0.00159	110.64	110.64	1.2	ANNUAL	ALL	4
302313.24	4020912.89	0.06991	110.64	110.64	1.2	1-HR	ALL	1ST	8011605	302313.24	4020912.89	0.01511	110.64	110.64	1.2	24-HR	ALL	1ST	9010324	302313.24	4020912.89	0.00176	110.64	110.64	1.2	ANNUAL	ALL	4
302313.04	4020878.14	0.06971	110.64	110.64	1.2	1-HR	ALL	1ST	7012217	302313.04	4020878.14	0.01548	110.64	110.64	1.2	24-HR	ALL	1ST	9010324	302313.04	4020878.14	0.00188	110.64	110.64	1.2	ANNUAL	ALL	4
302351.64	4021082	0.06809	110.66	110.66	1.2	1-HR	ALL	1ST	10021218	302351.64	4021082	0.0069	110.66	110.66	1.2	24-HR	ALL	1ST	9122924	302351.64	4021082	0.00075	110.66	110.66	1.2	ANNUAL	ALL	4
302339.23	4021112.42	0.07107	110.64	110.64	1.2	1-HR	ALL	1ST	8120316	302339.23	4021112.42	0.00667	110.64	110.64	1.2	24-HR	ALL	1ST	9012224	302339.23	4021112.42	0.00069	110.64	110.64	1.2	ANNUAL	ALL	4
302326.81	4021142.84	0.06684	110.64	110.64	1.2	1-HR	ALL	1ST	8122521	302326.81	4021142.84	0.00559	110.64	110.64	1.2	24-HR	ALL	1ST	9012724	302326.81	4021142.84	0.00065	110.64	110.64	1.2	ANNUAL	ALL	4
302314.4	4021173.25	0.06957	110.64	110.64	1.2	1-HR	ALL	1ST	10121421	302314.4	4021173.25	0.00697	110.64	110.64	1.2	24-HR	ALL	1ST	8010624	302314.4	4021173.25	0.00063	110.64	110.64	1.2	ANNUAL	ALL	4
302301.98	4021203.67	0.06988	110.64	110.64	1.2	1-HR	ALL	1ST	8022108	302301.98	4021203.67	0.00837	110.64	110.64	1.2	24-HR	ALL	1ST	8010624	302301.98	4021203.67	0.0006	110.64	110.64	1.2	ANNUAL	ALL	4
302289.57	4021234.09	0.06878	110.64	110.64	1.2	1-HR	ALL	1ST	8021919	302289.57	4021234.09	0.00627	110.64	110.64	1.2	24-HR	ALL	1ST	8010624	302289.57	4021234.09	0.00055	110.64	110.64	1.2	ANNUAL	ALL	4
302246.85	4021277.19	0.07202	110.34	110.34	1.2	1-HR	ALL	1ST	10121216	302246.85	4021277.19	0.00645	110.34	110.34	1.2	24-HR	ALL	1ST	10021724	302246.85	4021277.19	0.00057	110.34	110.34	1.2	ANNUAL	ALL	4
302216.55	4021289.88	0.07365	110.34	110.34	1.2	1-HR	ALL	1ST	10021718	302216.55	4021289.88	0.00729	110.34	110.34	1.2	24-HR	ALL	1ST	10010524	302216.55	4021289.88	0.00063	110.34	110.34	1.2	ANNUAL	ALL	4
302186.25	4021302.58	0.07594	110.34	110.34	1.2	1-HR	ALL	1ST	7120723	302186.25	4021302.58	0.00821	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302186.25	4021302.58	0.0007	110.34	110.34	1.2	ANNUAL	ALL	4
302155.95	4021315.27	0.07825	110.3	110.3	1.2	1-HR	ALL	1ST	8010507	302155.95	4021315.27	0.0109	110.3	110.3	1.2	24-HR	ALL	1ST	10011024	302155.95	4021315.27	0.00077	110.3	110.3	1.2	ANNUAL	ALL	4
302125.64	4021327.96	0.08111	110.08	110.08	1.2	1-HR	ALL	1ST	8021904	302125.64	4021327.96	0.00818	110.08	110.08	1.2	24-HR	ALL	1ST	10011024	302125.64	4021327.96	0.00084	110.08	110.08	1.2	ANNUAL	ALL	4
302095.34	4021340.65	0.08215	110.03	110.03	1.2	1-HR	ALL	1ST	8012701	302095.34	4021340.65	0.00773	110.03	110.03	1.2	24-HR	ALL	1ST	7020724	302095.34	4021340.65	0.0009	110.03	110.03	1.2	ANNUAL	ALL	4
302364.05	4021051.58	0.06779	110.79	110.79	1.2	1-HR	ALL	1ST	7020317	302364.05	4021051.58	0.0065	110.79	110.79	1.2	24-HR	ALL	1ST	8021824	302364.05	4021051.58	0.00084	110.79	110.79	1.2	ANNUAL	ALL	4
302363.85	4021016.84	0.0641	110.78	110.78	1.2	1-HR	ALL	1ST	10021922	302363.85	4021016.84	0.01062	110.78	110.78	1.2	24-HR	ALL	1ST	8011424	302363.85	4021016.84	0.00099	110.78	110.78	1.2	ANNUAL	ALL	4
302363.65	4020982.09	0.0635	110.78	110.78	1.2	1-HR	ALL	1ST	8011917	302363.65	4020982.09	0.01192	110.78	110.78	1.2	24-HR	ALL	1ST	8011424	302363.65	4020982.09	0.00113	110.78	110.78	1.2	ANNUAL	ALL	4
302363.44	4020947.34	0.06561	110.64	110.64	1.2	1-HR	ALL	1ST	10020117	302363.44	4020947.34	0.00973	110.64	110.64	1.2	24-HR	ALL	1ST	8040224	302363.44	4020947.34	0.00128	110.64	110.64	1.2	ANNUAL	ALL	4
302363.24	4020912.6	0.06085	110.67	110.67	1.2	1-HR	ALL	1ST	9020118	302363.24	4020912.6	0.0119	110.67	110.67	1.2	24-HR	ALL	1ST	9010324	302363.24	4020912.6	0.0014	110.67	110.67	1.2	ANNUAL	ALL	4
302363.04	4020877.85	0.06029	110.73	110.73	1.2	1-HR	ALL	1ST	9012308	302363.04	4020877.85	0.01337	110.73	110.73	1.2	24-HR	ALL	1ST	9010324	302363.04	4020877.85	0.00151	110.73	110.73	1.2	ANNUAL	ALL	4
302401.38	4021082.34	0.05849	110.95	110.95	1.2	1-HR	ALL	1ST	10021218	302401.38	4021082.34	0.00601	110.95	110.95	1.2	24-HR	ALL	1ST	8021824	302401.38	4021082.34	0.00064	110.95	110.95	1.2	ANNUAL	ALL	4
302388.71	4021113.39	0.06029	110.95	110.95	1.2	1-HR	ALL	1ST	10013118	302388.71	4021113.39	0.00592	110.95	110.95	1.2	24-HR	ALL	1ST	9122924	302388.71	4021113.39	0.00059	110.95	110.95	1.2	ANNUAL	ALL	4
302376.04	4021144.44	0.06045	110.91	110.91	1.2	1-HR	ALL	1ST	9012218	302376.04	4021144.44	0.00502	110.91	110.91	1.2	24-HR	ALL	1ST	9012224	302376.04	4021144.44	0.00055	110.91	110.91	1.2	ANNUAL	ALL	4
302363.36	4021175.49	0.06096	110.7	110.7	1.2	1-HR	ALL	1ST	7021823	302363.36	4021175.49	0.00511	110.7	110.7	1.2	24-HR	ALL	1ST	9012724	302363.36	4021175.49	0.00054	110.7	110.7	1.2	ANNUAL	ALL	4
302350.69	4021206.55	0.06472	110.64	110.64	1.2	1-HR	ALL	1ST	10020317	302350.69	4021206.55	0.00696	110.64	110.64	1.2	24-HR	ALL	1ST	8010624	302350.69	4021206.55	0.00052	110.64	110.64	1.2	ANNUAL	ALL	4
302338.02	4021237.6	0.06066	110.64	110.64	1.2	1-HR	ALL	1ST	10120322	302338.02	4021237.6	0.00682	110.64	110.64	1.2	24-HR	ALL	1ST	8010624	302338.02	4021237.6	0.00048	110.64	110.64	1.2	ANNUAL	ALL	4
302325.35	4021268.65	0.05837	110.64	110.64	1.2	1-HR	ALL	1ST	8010317	302325.35	4021268.65	0.00456	110.64	110.64	1.2	24-HR	ALL	1ST	9031524	302325.35	4021268.65	0.00045	110.64	110.64	1.2	ANNUAL	ALL	4
302281.74	4021312.65	0.06023	110.52	110.52	1.2	1-HR	ALL	1ST	10011417	302281.74	4021312.65	0.00575	110.52	110.52	1.2	24-HR	ALL	1ST	10021724	302281.74	4021312.65	0.00047	110.52	110.52	1.2	ANNUAL	ALL	4
302250.8	4021325.61	0.06428	110.34	110.34	1.2	1-HR	ALL	1ST	10021718	302250.8	4021325.61	0.00618	110.34	110.34	1.2	24-HR	ALL	1ST	10010524	302250.8	4021325.61	0.00052	110.34	110.34	1.2	ANNUAL	ALL	4
302219.87	4021338.56	0.06561	110.34	110.34	1.2	1-HR	ALL	1ST	7120723	302219.87	4021338.56	0.00718	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302219.87	4021338.56	0.00057	110.34	110.34	1.2	ANNUAL	ALL	4
302188.94	4021351.52	0.06728	110.29	110.29	1.2	1-HR	ALL	1ST	8010507	302188.94	4021351.52	0.00839	110.29	110.29	1.2	24-HR	ALL	1ST	10011024	302188.94	4021351.52	0.00063	110.29	110.29	1.2	ANNUAL	ALL	4
302158	4021364.47	0.06891	110.05	110.05	1.2	1-HR	ALL	1ST	10011722	302158	4021364.47	0.0072	110.05	110.05	1.2	24-HR	ALL	1ST	10011024	302158	4021364.47	0.00068	110.05	110.05	1.2	ANNUAL	ALL	4
302127.07	4021377.43	0.07166	110.03	110.03	1.2	1-HR	ALL	1ST	8120202	302127.07	4021377.43	0.00658	110.03	110.03	1.2	24-HR	ALL	1ST	7020724	302127.07	4021377.43	0.00073	110.03	110.03	1.2	ANNUAL	ALL	4
302096.14	4021390.38	0.06805	110.03	110.03	1.2	1-HR	ALL	1ST	10020721	302096.14	4021390.38	0.00534	110.03	110.03	1.2	24-HR	ALL	1ST	7020724	302096.14	4021390.38	0.00074	110.03	110.03	1.2	ANNUAL	ALL	4
302414.05	4021051.29	0.06042	110.95	110.95	1.2	1-HR	ALL	1ST	7020317	302414.05	4021051.29	0.00541	110.95	110.95	1.2	24-HR	ALL	1ST	8021824	302414.05	4021051.29	0.00071	110.95	110.95	1.2	ANNUAL	ALL	4
302413.85	4021016.55	0.05576	110.95	110.95	1.2	1-HR	ALL	1ST	10021922	302413.85	4021016.55	0.00915	110.95	110.95	1.2	24-HR	ALL	1ST	8011424	302413.85	4021016.55	0.00082	110.95	110.95	1.2	ANNUAL	ALL	4
302413.65	4020981.8	0.05567	110.95	110.95	1.2	1-HR	ALL	1ST	8011917	302413.65	4020981.8	0.01046	110.95	110.95	1.2	24-HR	ALL	1ST	8011424	302413.65	4020981.8	0.00094	110.95	110.95	1.2	ANNUAL	ALL	4
302413.44	4020947.05	0.05797	110.95	110.95	1.2	1-HR	ALL	1ST	10020117	302413.44	4020947.05	0.0085	110.95	110.95	1.2	24-HR	ALL	1ST	8040224	302413.44	4020947.05	0.00105	110.95	110.95	1.2	ANNUAL	ALL	4
302413.24	4020912.31	0.05384	110.95	110.95	1.2	1-HR	ALL	1ST	9020118	302413.24	4020912.31	0.00942	110.95	110.95	1.2	24-HR	ALL	1ST	9010324	302413.24	4020912.31	0.00115	110.95	110.95	1.2	ANNUAL	ALL	4
302413.04	4020877.56	0.05271	110.95	110.95	1.2	1-HR	ALL	1ST	9011819	302413.04	4020877.56	0.01123	110.95	110.95	1.2	24-HR	ALL	1ST	9010324	302413.04	4020877.56	0.00123	110.95	110.95	1.2	ANNUAL	ALL	4
302451.18	4021082.54	0.04969	110.95	110.95	1.2	1-HR	ALL	1ST	10021218	302451.18	4021082.54	0.0054	110.95	110.95	1.2	24-HR	ALL	1ST	8021824	302451.18	4021082.54	0.00055	110.95	110.95	1.2	ANNUAL	ALL	4
302438.31	4021114.09	0.0532	110.95	110.95	1.2	1-HR	ALL	1ST	9012301	302438.31	4021114.09	0.00547	110.95	110.95	1.2	24-HR	ALL	1ST	9122924	302438.31	4021114.09	0.00051	110.95	110.95	1.2	ANNUAL	ALL	4
302425.43	4021145.63	0.05667	110.95	110.95	1.2	1-HR	ALL	1ST	8120316	302425.43	4021145.63	0.00481	110.95	110.95	1.2	24-HR	ALL	1ST	9012224	302425.43	4021145.63	0.00048	110.95	110.95	1.2

302527.84	4021139.13	0.04314	111.12	111.12	1.2	1-HR	ALL	1ST	10013118	302527.84	4021139.13	0.00418	111.12	111.12	1.2	24-HR	ALL	1ST	9122924	302527.84	4021139.13	0.00038	111.12	111.12	1.2	ANNUAL	ALL	4
302515.77	4021168.7	0.04564	110.95	110.95	1.2	1-HR	ALL	1ST	8120316	302515.77	4021168.7	0.00378	110.95	110.95	1.2	24-HR	ALL	1ST	9012224	302515.77	4021168.7	0.00036	110.95	110.95	1.2	ANNUAL	ALL	4
302503.71	4021198.27	0.04109	110.95	110.95	1.2	1-HR	ALL	1ST	7021823	302503.71	4021198.27	0.00332	110.95	110.95	1.2	24-HR	ALL	1ST	9012724	302503.71	4021198.27	0.00035	110.95	110.95	1.2	ANNUAL	ALL	4
302491.64	4021227.85	0.04309	110.95	110.95	1.2	1-HR	ALL	1ST	10010818	302491.64	4021227.85	0.00371	110.95	110.95	1.2	24-HR	ALL	1ST	8010624	302491.64	4021227.85	0.00034	110.95	110.95	1.2	ANNUAL	ALL	4
302479.57	4021257.42	0.04606	110.95	110.95	1.2	1-HR	ALL	1ST	10020317	302479.57	4021257.42	0.00473	110.95	110.95	1.2	24-HR	ALL	1ST	8010624	302479.57	4021257.42	0.00034	110.95	110.95	1.2	ANNUAL	ALL	4
302467.5	4021286.99	0.04361	110.95	110.95	1.2	1-HR	ALL	1ST	10010618	302467.5	4021286.99	0.00503	110.95	110.95	1.2	24-HR	ALL	1ST	8010624	302467.5	4021286.99	0.00032	110.95	110.95	1.2	ANNUAL	ALL	4
302455.43	4021316.56	0.04395	110.95	110.95	1.2	1-HR	ALL	1ST	8021919	302455.43	4021316.56	0.00402	110.95	110.95	1.2	24-HR	ALL	1ST	8010624	302455.43	4021316.56	0.0003	110.95	110.95	1.2	ANNUAL	ALL	4
302443.36	4021346.13	0.04229	110.95	110.95	1.2	1-HR	ALL	1ST	8010317	302443.36	4021346.13	0.00319	110.95	110.95	1.2	24-HR	ALL	1ST	9031524	302443.36	4021346.13	0.00029	110.95	110.95	1.2	ANNUAL	ALL	4
302431.29	4021375.71	0.04309	110.86	110.86	1.2	1-HR	ALL	1ST	10121216	302431.29	4021375.71	0.0032	110.86	110.86	1.2	24-HR	ALL	1ST	9031524	302431.29	4021375.71	0.00028	110.86	110.86	1.2	ANNUAL	ALL	4
302389.76	4021417.62	0.04172	110.64	110.64	1.2	1-HR	ALL	1ST	7122423	302389.76	4021417.62	0.00403	110.64	110.64	1.2	24-HR	ALL	1ST	10010524	302389.76	4021417.62	0.0003	110.64	110.64	1.2	ANNUAL	ALL	4
302360.3	4021429.96	0.04383	110.44	110.44	1.2	1-HR	ALL	1ST	10021718	302360.3	4021429.96	0.00405	110.44	110.44	1.2	24-HR	ALL	1ST	10010524	302360.3	4021429.96	0.00032	110.44	110.44	1.2	ANNUAL	ALL	4
302330.84	4021442.29	0.04452	110.34	110.34	1.2	1-HR	ALL	1ST	9122418	302330.84	4021442.29	0.0044	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302330.84	4021442.29	0.00034	110.34	110.34	1.2	ANNUAL	ALL	4
302301.38	4021454.63	0.0459	110.34	110.34	1.2	1-HR	ALL	1ST	10011308	302301.38	4021454.63	0.00605	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302301.38	4021454.63	0.00037	110.34	110.34	1.2	ANNUAL	ALL	4
302271.92	4021466.97	0.04704	110.24	110.24	1.2	1-HR	ALL	1ST	10012522	302271.92	4021466.97	0.00599	110.24	110.24	1.2	24-HR	ALL	1ST	10011024	302271.92	4021466.97	0.00039	110.24	110.24	1.2	ANNUAL	ALL	4
302242.46	4021479.31	0.04676	110.07	110.07	1.2	1-HR	ALL	1ST	8021904	302242.46	4021479.31	0.00446	110.07	110.07	1.2	24-HR	ALL	1ST	10011024	302242.46	4021479.31	0.00042	110.07	110.07	1.2	ANNUAL	ALL	4
302213	4021491.65	0.04876	109.86	109.86	1.2	1-HR	ALL	1ST	10120602	302213	4021491.65	0.00425	109.86	109.86	1.2	24-HR	ALL	1ST	7020724	302213	4021491.65	0.00044	109.86	109.86	1.2	ANNUAL	ALL	4
302183.53	4021503.98	0.04899	109.73	109.73	1.2	1-HR	ALL	1ST	10020721	302183.53	4021503.98	0.00423	109.73	109.73	1.2	24-HR	ALL	1ST	7020724	302183.53	4021503.98	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4
302154.07	4021516.32	0.04184	109.73	109.73	1.2	1-HR	ALL	1ST	10020721	302154.07	4021516.32	0.00309	109.73	109.73	1.2	24-HR	ALL	1ST	7020724	302154.07	4021516.32	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4
302124.61	4021528.66	0.04094	109.62	109.62	1.2	1-HR	ALL	1ST	8011920	302124.61	4021528.66	0.00347	109.62	109.62	1.2	24-HR	ALL	1ST	9121924	302124.61	4021528.66	0.00045	109.62	109.62	1.2	ANNUAL	ALL	4
302095.15	4021541	0.04111	109.73	109.73	1.2	1-HR	ALL	1ST	8022820	302095.15	4021541	0.00447	109.73	109.73	1.2	24-HR	ALL	1ST	9121924	302095.15	4021541	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4
302564.05	4021050.41	0.04348	111.25	111.25	1.2	1-HR	ALL	1ST	7020317	302564.05	4021050.41	0.00388	111.25	111.25	1.2	24-HR	ALL	1ST	8011424	302564.05	4021050.41	0.00047	111.25	111.25	1.2	ANNUAL	ALL	4
302563.85	4021015.67	0.03929	111.25	111.25	1.2	1-HR	ALL	1ST	9012017	302563.85	4021015.67	0.00626	111.25	111.25	1.2	24-HR	ALL	1ST	8011424	302563.85	4021015.67	0.00053	111.25	111.25	1.2	ANNUAL	ALL	4
302563.64	4020980.92	0.0402	111.25	111.25	1.2	1-HR	ALL	1ST	8011609	302563.64	4020980.92	0.00735	111.25	111.25	1.2	24-HR	ALL	1ST	8011424	302563.64	4020980.92	0.00058	111.25	111.25	1.2	ANNUAL	ALL	4
302563.44	4020946.17	0.03852	111.25	111.25	1.2	1-HR	ALL	1ST	7020119	302563.44	4020946.17	0.00618	111.25	111.25	1.2	24-HR	ALL	1ST	8011424	302563.44	4020946.17	0.00064	111.25	111.25	1.2	ANNUAL	ALL	4
302563.24	4020911.43	0.03948	111.25	111.25	1.2	1-HR	ALL	1ST	10020117	302563.24	4020911.43	0.00573	111.25	111.25	1.2	24-HR	ALL	1ST	8040224	302563.24	4020911.43	0.00069	111.25	111.25	1.2	ANNUAL	ALL	4
302563.03	4020876.68	0.03826	111.25	111.25	1.2	1-HR	ALL	1ST	9020118	302563.03	4020876.68	0.00648	111.25	111.25	1.2	24-HR	ALL	1ST	9010324	302563.03	4020876.68	0.00074	111.25	111.25	1.2	ANNUAL	ALL	4
302651.64	4021080.25	0.03441	111.25	111.25	1.2	1-HR	ALL	1ST	10020318	302651.64	4021080.25	0.00338	111.25	111.25	1.2	24-HR	ALL	1ST	8021824	302651.64	4021080.25	0.00035	111.25	111.25	1.2	ANNUAL	ALL	4
302639.22	4021110.66	0.03435	111.25	111.25	1.2	1-HR	ALL	1ST	10021218	302639.22	4021110.66	0.00349	111.25	111.25	1.2	24-HR	ALL	1ST	8021824	302639.22	4021110.66	0.00032	111.25	111.25	1.2	ANNUAL	ALL	4
302626.81	4021141.08	0.03539	111.25	111.25	1.2	1-HR	ALL	1ST	9012301	302626.81	4021141.08	0.00369	111.25	111.25	1.2	24-HR	ALL	1ST	9122924	302626.81	4021141.08	0.0003	111.25	111.25	1.2	ANNUAL	ALL	4
302614.39	4021171.5	0.03703	111.25	111.25	1.2	1-HR	ALL	1ST	8120316	302614.39	40211715	0.00325	111.25	111.25	1.2	24-HR	ALL	1ST	9012224	302614.39	40211715	0.00029	111.25	111.25	1.2	ANNUAL	ALL	4
302601.98	4021201.91	0.03809	111.25	111.25	1.2	1-HR	ALL	1ST	9012218	302601.98	4021201.91	0.00285	111.25	111.25	1.2	24-HR	ALL	1ST	9012224	302601.98	4021201.91	0.00028	111.25	111.25	1.2	ANNUAL	ALL	4
302589.57	4021232.33	0.03574	111.25	111.25	1.2	1-HR	ALL	1ST	7021823	302589.57	4021232.33	0.00274	111.25	111.25	1.2	24-HR	ALL	1ST	9012724	302589.57	4021232.33	0.00027	111.25	111.25	1.2	ANNUAL	ALL	4
302577.15	4021262.75	0.03614	111.25	111.25	1.2	1-HR	ALL	1ST	10010818	302577.15	4021262.75	0.0031	111.25	111.25	1.2	24-HR	ALL	1ST	8010624	302577.15	4021262.75	0.00027	111.25	111.25	1.2	ANNUAL	ALL	4
302564.74	4021293.16	0.03837	111.25	111.25	1.2	1-HR	ALL	1ST	10020317	302564.74	4021293.16	0.00385	111.25	111.25	1.2	24-HR	ALL	1ST	8010624	302564.74	4021293.16	0.00027	111.25	111.25	1.2	ANNUAL	ALL	4
302552.32	4021323.58	0.0363	111.25	111.25	1.2	1-HR	ALL	1ST	10010618	302552.32	4021323.58	0.00413	111.25	111.25	1.2	24-HR	ALL	1ST	8010624	302552.32	4021323.58	0.00025	111.25	111.25	1.2	ANNUAL	ALL	4
302539.91	4021354	0.03635	111.25	111.25	1.2	1-HR	ALL	1ST	8021919	302539.91	4021354	0.00349	111.25	111.25	1.2	24-HR	ALL	1ST	8010624	302539.91	4021354	0.00024	111.25	111.25	1.2	ANNUAL	ALL	4
302527.5	4021384.42	0.03441	111.23	111.23	1.2	1-HR	ALL	1ST	8010317	302527.5	4021384.42	0.00253	111.23	111.23	1.2	24-HR	ALL	1ST	9031524	302527.5	4021384.42	0.00023	111.23	111.23	1.2	ANNUAL	ALL	4
302515.08	4021414.83	0.03411	111.1	111.1	1.2	1-HR	ALL	1ST	10121403	302515.08	4021414.83	0.00261	111.1	111.1	1.2	24-HR	ALL	1ST	9031524	302515.08	4021414.83	0.00022	111.1	111.1	1.2	ANNUAL	ALL	4
302502.67	4021445.25	0.0375	110.96	110.96	1.2	1-HR	ALL	1ST	10121216	302502.67	4021445.25	0.00293	110.96	110.96	1.2	24-HR	ALL	1ST	10021724	302502.67	4021445.25	0.00022	110.96	110.96	1.2	ANNUAL	ALL	4
302459.95	4021488.36	0.03444	110.64	110.64	1.2	1-HR	ALL	1ST	8010818	302459.95	4021488.36	0.00335	110.64	110.64	1.2	24-HR	ALL	1ST	10010524	302459.95	4021488.36	0.00023	110.64	110.64	1.2	ANNUAL	ALL	4
302429.65	4021501.05	0.03477	110.54	110.54	1.2	1-HR	ALL	1ST	10021718	302429.65	4021501.05	0.00313	110.54	110.54	1.2	24-HR	ALL	1ST	10010524	302429.65	4021501.05	0.00025	110.54	110.54	1.2	ANNUAL	ALL	4
302399.35	4021513.74	0.03631	110.34	110.34	1.2	1-HR	ALL	1ST	7120723	302399.35	4021513.74	0.00365	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302399.35	4021513.74	0.00027	110.34	110.34	1.2	ANNUAL	ALL	4
302369.04	4021526.43	0.03735	110.31	110.31	1.2	1-HR	ALL	1ST	10011308	302369.04	4021526.43	0.00486	110.31	110.31	1.2	24-HR	ALL	1ST	10011024	302369.04	4021526.43	0.00028	110.31	110.31	1.2	ANNUAL	ALL	4
302338.74	4021539.12	0.03804	110.09	110.09	1.2	1-HR	ALL	1ST	10012522	302338.74	4021539.12	0.00491	110.09	110.09	1.2	24-HR	ALL	1ST	10011024	302338.74	4021539.12	0.0003	110.09	110.09	1.2	ANNUAL	ALL	4
302308.44	4021551.81	0.03885	110.01	110.01	1.2	1-HR	ALL	1ST	10011722	302308.44	4021551.81	0.00386	110.01	110.01	1.2	24-HR	ALL	1ST	10011024	302308.44	4021551.81	0.00032	110.01	110.01	1.2	ANNUAL	ALL	4
302278.14	4021564.5	0.03966	109.97	109.97	1.2	1-HR	ALL	1ST	8020819	302278.14	4021564.5	0.00314	109.97	109.97	1.2	24-HR	ALL	1ST	7020724	302278.14	4021564.5	0.00033	109.97	109.97	1.2	ANNUAL	ALL	4
302247.83	4021577.19	0.0393	109.73	109.73	1.2	1-HR	ALL	1ST	8120202	302247.83	4021577.19	0.00353	109.73	109.73	1.2	24-HR	ALL	1ST	7020724	302247.83	4021577.19	0.00034	109.73	109.73	1.2	ANNUAL	ALL	4
302217.53	4021589.88	0.03991	108.96	108.96	1.2	1-HR	ALL	1ST	10020721	302217.53	4021589.88	0.00309	108.96	108.96	1.2	24-HR	ALL	1ST	7020724	302217.53	4021589.88	0.00035	108.96	108.96	1.2	ANNUAL	ALL	4
302187.23	4021602.57	0.03319	108.29	108.29	1.2	1-HR	ALL	1ST	9021118	302187.23	4021602.57	0.0024	108.29	108.29	1.2	24-HR	ALL	1ST	9021124	302187.23	4021602.57	0.00035	108.29	108.29	1.2	ANNUAL	ALL	4
302156.92	4021615.26	0.03315	108.28	108.28	1.2	1-HR	ALL	1ST	8011920	302156.92	4021615.26	0.00296	108.28	108.28	1.2	24-HR	ALL	1ST	9121924	302156.92	4021615.26	0.00034	108.28	108.28	1.2	ANNUAL	ALL	4
302126.62	4021627.96	0.03351	108.32	108.32	1.2	1-HR	ALL	1ST	8022820	302126.62	4021627.96	0.00364	108.32	108.32	1.2	24-HR	ALL	1ST	9121924	302126.62	4021627.96	0.00035	108.32	108.32	1.2	ANNUAL	ALL	4
302096.32	4021640.65	0.03358	108.23	108.23	1.2	1-HR	ALL	1ST	7011017	302096.32	4021640.65	0.00347	108.23	108.23	1.2	24-HR	ALL	1ST	9122924	302096.32	4021640.65	0.00035	108.23	108.23	1.2	ANNUAL	ALL	4
302751.38	4021080.29	0.02952	111.67	111.67	1.2	1-HR	ALL	1ST	7020317	302751.38	4021080.29	0.0027	111.67	111.67	1.2	24-HR	ALL	1ST	8021824	302751.38	4021080.29	0.00028	111.67	111.67	1.2	ANNUAL	ALL	4
302738.7	4021111.35	0.02787	111.56	111.56	1.2	1-HR	ALL	1ST	10020318	302738.7	4021111.35	0.00301	111.56	111.56	1.2	24-HR	ALL	1ST	8021824	302738.7	4021111.35	0.00027	111.56	111.56	1.2	ANNUAL	ALL	4
302726.03	4021142.4	0.02996	111.56	111.56	1.2	1-HR	ALL	1ST	10021218	302726.03	4021142.4	0.0031	111.56	111.56	1.2	24-HR	ALL	1ST	9122924	302726.03	4021142.4	0.00025	111.56	111.56	1.2	ANNUAL	ALL	4
302713.36	4021173.45	0.03039	111.56	111.56	1.2	1-HR	ALL	1ST	10013118	302713.36	4021173.45	0.00291	111.56	111.56	1.2	24-HR	ALL	1ST	9122924	302713.36	4021173.45	0.00024	111.56	111.56	1.2	ANNUAL	ALL	4
302700.68	4021204.5	0.03265	111.56	111.56	1.2	1-HR	ALL	1ST	8120316	302700.68	4021204.5	0.00265	111.56	111.56	1.2	24-HR	ALL	1ST	9012224	302700.68	4021204.5	0.00023	111.56	111.56	1.2	ANNUAL	ALL	4
302688.01	4021235.55	0.03038	111.56	111.56	1.2	1-HR	ALL	1ST	8122521	302688.01	4021235.55	0.00217	111.56	111.56	1.2	24-HR	ALL	1ST	9012224	302688.01	4021235.55	0.00022	111.56	111.56	1.2	ANNUAL	ALL	4
302662.67	4021297.65	0.03076	111.38	111.38	1.2	1-HR	ALL	1ST	10010818	302662.67	4021297.65	0.00263	111.38	111.38	1.2	24-HR	ALL	1ST	8010624	302662.67	4021297.65	0.00022	111.38	111.38	1.2	ANNUAL	ALL	4
302649.99	4021328.7	0.03263	111.47	111.47	1.2	1-HR	ALL	1ST	10020317	302649.99	4021328.7	0.0032	111.47	111.47	1.2	24-HR	ALL	1ST	8010624	302649.99	4021328.7	0.00022	111.47	111.47	1.2	ANNUAL	ALL	4
302637.32	4021359.75	0.03078	111.43	111.43	1.2	1-HR	ALL	1ST	10010618	302637.32	4021359.75	0.00347	111.43	111.43	1.2	24-HR	ALL	1ST	8010624	302637.32	4021359.75	0.00021	111.43	111.43	1.2	ANNUAL	ALL	4
302624.65	4021390.8	0.03094	111.3	111.3	1.2	1-HR	ALL	1ST	10120322	302624.65	4021390.8	0.00307	111.3	111.3	1.2	24-HR	ALL	1ST	8010624	302624.65	4021390.8	0.0002	111.3	111.3	1.2	ANNUAL	ALL	4
302611.98	4021421.85	0.02883	111.25	111.25	1.2	1-HR	ALL	1ST	8021919	302611.98	4021421.85	0.00215	111.25	111.25	1.2	24-HR	ALL	1ST	8010624	302611.98	4021421.85	0.00019	111.25	111.25	1.2	ANNUAL	ALL	4
302599.3	4021452.9	0.02942	111.25	111.25	1.2	1-HR	ALL	1ST	10121403	302599.3	4021452.9	0.00216	111.25	111.25	1.2	24-HR	ALL	1ST	9031524	302599.3	4021452.9	0.00018	111.25	111.25	1.2	ANNUAL	ALL	4
302586.63	4021483.95	0.03088	111.25	111.25	1.2	1-HR	ALL	1ST	10121216	302586.63	4021483.95	0.00213	111.25	111.25	1.2	24-HR	ALL	1ST	9031524	302586.63	4021483.95	0.00018	111.25	111.25	1.2	ANNUAL	ALL	4
302573.96	4021515	0.02987	111.1	111.1	1.2	1-HR	ALL	1ST	10121216	302573.96	4021515	0.00235	111.1	111.1	1.2	24-HR	ALL	1ST	10021724	302573.96	4021515	0.00018	111.1	111.1	1.2	ANNUAL	ALL	4
302530.35	4021559.01	0.0294	110.65	110.65	1.2	1-HR	ALL	1ST	10021718	302530.35	4021559.01	0.00278	110.65	110.65	1.2	24-HR	ALL	1ST	10010524	302530.35	4021559.01	0.00019	110.65	110.65	1.2	ANNUAL	ALL	4
302499.42	4021571.96	0.02811	110.4	110.4	1.2	1-HR	ALL	1ST	10010516	302499.42	4021571.96	0.00254	110.4	110.4	1.2	24-HR	ALL	1ST	9022524	302499.42	4021571.96	0.0002	110.4	110.4	1.2	ANNUAL	ALL	4
302468.48	4021584.92	0.03049	110.26	110.26	1.2	1-HR	ALL	1ST	8021824	302468.48	4021584.92	0.00303	110.26	110.26	1.2	24-HR	ALL	1ST	10011024	302468.48	4021584.92	0.00021	110.26	110.26	1.2	ANNUAL	ALL	4
302437.55	4021597.87	0.03119	110.13	110.13	1.2	1-HR	ALL	1ST	10011308	302437.55	4021597.87	0.004	110.13	110.13	1.2	24-HR	ALL	1ST	10011024	302437.55	4021597.87	0.00022	110.13	110.13	1.2	ANNUAL	ALL	4
302406.62	4021610.83	0.03126	110	110	1.2	1-HR	ALL	1ST	10012522	302406.62	4021610.83	0.00413	110	110	1.2	24-HR	ALL	1ST	10011024	302406.62	4021610.83	0.00024	110	110	1.2	ANNUAL	ALL	4
302375.68	4021623.78	0.03228	110.03	110.03	1.2	1-HR	ALL	1ST	10011722	302375.68	4021623.78	0.00341	110.03	110.03	1.2	24-HR	ALL	1ST	10011024	302375.68	4021623.78	0.00025	110.03	110.03	1.2	ANNUAL	ALL	4
302344.75	4021636.74	0.03269	109.98	109.98	1.2	1-HR	ALL	1ST	8021904	302344.75	4021636.74	0.00238	109.98	109.98	1.2	24-HR	ALL	1ST	10011024	302344.75	4021636.74	0.00026	109.98	109.98	1.2	ANNUAL	ALL	4
302313.81	4021649.7	0.0331	108.93	108.93	1.2	1-HR	ALL	1ST	8120202	302313.81	4021649.7	0.00284	108.93	108.93	1.2	24-HR	ALL	1ST	7020724	302313.81	4021649.7	0.00027	108.93	108.93	1.2	ANNUAL	ALL	4
302282.88	4021662.65	0.0332	108.26	108.26	1.2	1-HR	ALL	1ST	8012701	302282.88	4021662.65	0.00283	108.26	108.26	1.2	24-HR	ALL	1ST	7020724	302282.88	4021662.65	0.00028	108.26	108.26	1.2	ANNUAL	ALL	4
302251.95	4021675.61	0.03132	108.61	108.61	1.2	1-HR	ALL	1ST	10020721	302251.95	4021675.61	0.00228	108.61	108.61	1.2	24-HR	ALL	1ST	7020724	302251.95	4021675.61	0.00028	108.61	108.61	1.2	ANNUAL	ALL	4
302221.01	4021688.56	0.02703	108.87	108.87	1.2	1-HR	ALL	1ST	9021118	302221.01	4021688.56	0.00194	108.87	108.87	1.2	24-HR	ALL	1ST	9021124	302221.01	4021688.56	0.00027	108.87	108.87	1.2	ANNUAL	ALL	4
302190.08	4021701.52	0.02778	108.85	108.85	1.2	1-HR	ALL	1ST	9010108	302190.08	4021701.52	0.00254	108.85	108.85	1.2	24-HR	ALL	1ST	9121924	302190.08	4021701.52	0.00027	108.85	108.85	1.2	ANNUAL	ALL	4
302159.14	4021714.47	0.02797	108.98	108.98	1.2	1-HR	ALL	1ST	8022820	302159.14	4021714.47	0.00304	108.98	108.98	1.2	24-HR	ALL	1ST	9121924	302159.14	4021714.47	0.00028	108.98	108.98	1.2	ANNUAL	ALL	4
302128.21	4021727.43	0.02808	109.12	109.12	1.2	1-HR	ALL	1ST	7011017	302128.21	4021727.43	0.00284	109.12	109.12	1.2	24-HR	ALL	1ST	9122924	302128.21	4021727.43	0.00028	109.12	109.12	1.2	ANNUAL	ALL	4
302097.28	4021740.38	0.03024	109.04	109.04	1.2	1-HR	ALL	1ST	9122916	302097.28	4021740.38	0.00288	109.04	109.04	1.2	24-HR	ALL	1ST	10010824	302097.28	4021740.38	0.00028	109.04	109.04	1.2	ANNUAL	ALL	4
302764.05	4021049.24	0.02948	111.65	111.65	1.2	1-HR	ALL	1ST	7020317	302764.05	4021049.24	0.00289	111.65	111.65	1.2	24-HR	ALL	1ST	8011424	302764.05	4021049.24	0.0003	111.65	111.65	1.2	ANNUAL	ALL	4
302763.84	4021014.5	0.02747	111.74	111.74	1.2	1-HR	ALL	1ST	9012017	302763.84	4021014.5	0.00422	111.74	111.74	1.2	24-HR	ALL	1ST	8011424	302763.84	4021014.5	0.00033	111.74	111.74	1.2	ANNUAL	ALL	4
302763.64	4020979.75	0.02932	111.06	111.06	1.2	1-HR	ALL	1ST	8011609	302763.64	4020979.75	0.00498	111.06	111.06	1.2	24-HR	ALL	1ST	8011424	302763.64	4020979.75	0.00036	111.06	111.06	1.2	ANNUAL	ALL	4
302763.44	4020945	0.02736	110.06	110.06	1.2	1-HR	ALL	1ST	10122817	302763.44	4020945	0.00475	110.06	110.06	1.2	24-HR	ALL	1ST	8011424	302763.44	4020945	0.00039	110.06	110.06	1.2	ANNUAL	ALL	4
302763.23	4020910.26	0.02817	110.07	110.07	1.2	1-HR	ALL	1ST	10020117	302763.23	4020910.26	0.00396	110.07	110.07	1.2	24-HR	ALL	1ST	8040224	302763.23	4020910.26	0.00042	110.07	110.07	1.2	ANNUAL	ALL	4
302763.03	4020875.51	0.0269	110.05	110.05	1.2	1-HR	ALL	1ST	10020117	302763.03	4020875.51	0.00389	110.05	110.05	1.2	24-HR	ALL	1ST	8040224	302763.03	4020875.51	0.00044	110.05	110.05	1.2	ANNUAL	ALL	4
302851.17	4021080.2	0.02622	112.08	112.08	1.2	1-HR	ALL	1ST	7020317	302851.17	4021080.2	0.00217	112.08	112.08	1.2	24-HR	ALL	1ST	8021824	302851.17	4021080.2	0.00024	112.08	112.08	1.2	ANNUAL	ALL	4
302838.3	4021111.75	0.02504	112.02	112.02	1.2	1-HR	ALL	1ST	10020318	302838.3	4021111.75	0.00256	112.02	112.02	1.2	24-HR	ALL	1ST	8021824	302838.3	4021111.75	0.00022	112.02	112.02	1.2	ANNUAL	ALL	4
302825.42	4

302380.92	4021721.73	0.02815	108.48	108.48	1.2	1-HR	ALL	1ST	8020819	302380.92	4021721.73	0.00224	108.48	108.48	1.2	24-HR	ALL	1ST	7020724	302380.92	4021721.73	0.00022	108.48	108.48	1.2	ANNUAL	ALL	4
302349.49	4021734.89	0.02811	108.45	108.45	1.2	1-HR	ALL	1ST	8120202	302349.49	4021734.89	0.00245	108.45	108.45	1.2	24-HR	ALL	1ST	7020724	302349.49	4021734.89	0.00022	108.45	108.45	1.2	ANNUAL	ALL	4
302318.07	4021748.05	0.02876	109.64	109.64	1.2	1-HR	ALL	1ST	10020721	302318.07	4021748.05	0.00225	109.64	109.64	1.2	24-HR	ALL	1ST	7020724	302318.07	4021748.05	0.00023	109.64	109.64	1.2	ANNUAL	ALL	4
302286.64	4021761.21	0.02437	109.73	109.73	1.2	1-HR	ALL	1ST	10020721	302286.64	4021761.21	0.00171	109.73	109.73	1.2	24-HR	ALL	1ST	7020724	302286.64	4021761.21	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
302255.22	4021774.37	0.02333	109.71	109.71	1.2	1-HR	ALL	1ST	9012903	302255.22	4021774.37	0.0016	109.71	109.71	1.2	24-HR	ALL	1ST	9021124	302255.22	4021774.37	0.00022	109.71	109.71	1.2	ANNUAL	ALL	4
302223.79	4021787.53	0.02371	109.66	109.66	1.2	1-HR	ALL	1ST	9010108	302223.79	4021787.53	0.00219	109.66	109.66	1.2	24-HR	ALL	1ST	9121924	302223.79	4021787.53	0.00022	109.66	109.66	1.2	ANNUAL	ALL	4
302192.37	4021800.69	0.02378	109.55	109.55	1.2	1-HR	ALL	1ST	8022820	302192.37	4021800.69	0.00258	109.55	109.55	1.2	24-HR	ALL	1ST	9121924	302192.37	4021800.69	0.00022	109.55	109.55	1.2	ANNUAL	ALL	4
302160.94	4021813.85	0.02384	109.69	109.69	1.2	1-HR	ALL	1ST	7011017	302160.94	4021813.85	0.00236	109.69	109.69	1.2	24-HR	ALL	1ST	9122924	302160.94	4021813.85	0.00023	109.69	109.69	1.2	ANNUAL	ALL	4
302129.52	4021827.01	0.02597	109.73	109.73	1.2	1-HR	ALL	1ST	9122916	302129.52	4021827.01	0.00235	109.73	109.73	1.2	24-HR	ALL	1ST	9122924	302129.52	4021827.01	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
302098.09	4021840.17	0.02335	109.73	109.73	1.2	1-HR	ALL	1ST	10011104	302098.09	4021840.17	0.00276	109.73	109.73	1.2	24-HR	ALL	1ST	10010824	302098.09	4021840.17	0.00023	109.73	109.73	1.2	ANNUAL	ALL	4
302864.05	4021048.66	0.02483	110.57	110.57	1.2	1-HR	ALL	1ST	7020317	302864.05	4021048.66	0.00254	110.57	110.57	1.2	24-HR	ALL	1ST	8011424	302864.05	4021048.66	0.00025	110.57	110.57	1.2	ANNUAL	ALL	4
302863.84	4021013.91	0.02369	109.76	109.76	1.2	1-HR	ALL	1ST	9012017	302863.84	4021013.91	0.00358	109.76	109.76	1.2	24-HR	ALL	1ST	8011424	302863.84	4021013.91	0.00028	109.76	109.76	1.2	ANNUAL	ALL	4
302863.64	4020979.17	0.02549	110.35	110.35	1.2	1-HR	ALL	1ST	8011609	302863.64	4020979.17	0.00421	110.35	110.35	1.2	24-HR	ALL	1ST	8011424	302863.64	4020979.17	0.0003	110.35	110.35	1.2	ANNUAL	ALL	4
302863.44	4020944.42	0.02373	110.71	110.71	1.2	1-HR	ALL	1ST	8011917	302863.44	4020944.42	0.00415	110.71	110.71	1.2	24-HR	ALL	1ST	8011424	302863.44	4020944.42	0.00032	110.71	110.71	1.2	ANNUAL	ALL	4
302863.23	4020909.67	0.02311	110.9	110.9	1.2	1-HR	ALL	1ST	7020119	302863.23	4020909.67	0.00342	110.9	110.9	1.2	24-HR	ALL	1ST	8011424	302863.23	4020909.67	0.00034	110.9	110.9	1.2	ANNUAL	ALL	4
302863.03	4020874.93	0.02473	110.56	110.56	1.2	1-HR	ALL	1ST	10020117	302863.03	4020874.93	0.00342	110.56	110.56	1.2	24-HR	ALL	1ST	8040224	302863.03	4020874.93	0.00036	110.56	110.56	1.2	ANNUAL	ALL	4
302586.56	4020802.22	0.03524	111.25	111.25	1.2	1-HR	ALL	1ST	9012308	302586.56	4020802.22	0.00735	111.25	111.25	1.2	24-HR	ALL	1ST	9010324	302586.56	4020802.22	0.00077	111.25	111.25	1.2	ANNUAL	ALL	4
301680.63	4021306.87	0.09628	110.03	110.03	1.2	1-HR	ALL	1ST	10122809	301680.63	4021306.87	0.0192	110.03	110.03	1.2	24-HR	ALL	1ST	8021524	301680.63	4021306.87	0.00234	110.03	110.03	1.2	ANNUAL	ALL	4
301657.69	4021276.12	0.09276	110.03	110.03	1.2	1-HR	ALL	1ST	9121824	301657.69	4021276.12	0.01983	110.03	110.03	1.2	24-HR	ALL	1ST	8021524	301657.69	4021276.12	0.00267	110.03	110.03	1.2	ANNUAL	ALL	4
301680.63	4021272.99	0.10131	110.03	110.03	1.2	1-HR	ALL	1ST	8022808	301680.63	4021272.99	0.0233	110.03	110.03	1.2	24-HR	ALL	1ST	8021524	301680.63	4021272.99	0.00282	110.03	110.03	1.2	ANNUAL	ALL	4
301638.92	4021273.51	0.08881	110.03	110.03	1.2	1-HR	ALL	1ST	10122422	301638.92	4021273.51	0.01777	110.03	110.03	1.2	24-HR	ALL	1ST	8122124	301638.92	4021273.51	0.00262	110.03	110.03	1.2	ANNUAL	ALL	4
301640.49	4021306.87	0.08131	110.03	110.03	1.2	1-HR	ALL	1ST	10121520	301640.49	4021306.87	0.01817	110.03	110.03	1.2	24-HR	ALL	1ST	8021524	301640.49	4021306.87	0.00224	110.03	110.03	1.2	ANNUAL	ALL	4
301623.81	4021303.75	0.07865	109.97	109.97	1.2	1-HR	ALL	1ST	9121824	301623.81	4021303.75	0.01567	109.97	109.97	1.2	24-HR	ALL	1ST	8021524	301623.81	4021303.75	0.00221	109.97	109.97	1.2	ANNUAL	ALL	4
301600.87	4021305.31	0.07486	109.74	109.74	1.2	1-HR	ALL	1ST	7120607	301600.87	4021305.31	0.01474	109.74	109.74	1.2	24-HR	ALL	1ST	8122124	301600.87	4021305.31	0.00212	109.74	109.74	1.2	ANNUAL	ALL	4
301696.79	4021224.51	0.12121	110.03	110.03	1.2	1-HR	ALL	1ST	7022201	301696.79	4021224.51	0.02554	110.03	110.03	1.2	24-HR	ALL	1ST	8021524	301696.79	4021224.51	0.00385	110.03	110.03	1.2	ANNUAL	ALL	4
301679.06	4021220.34	0.11659	110.03	110.03	1.2	1-HR	ALL	1ST	8022703	301679.06	4021220.34	0.02389	110.03	110.03	1.2	24-HR	ALL	1ST	8122124	301679.06	4021220.34	0.00379	110.03	110.03	1.2	ANNUAL	ALL	4
301698.35	4021186.97	0.14037	110.03	110.03	1.2	1-HR	ALL	1ST	10021608	301698.35	4021186.97	0.03015	110.03	110.03	1.2	24-HR	ALL	1ST	7122224	301698.35	4021186.97	0.00493	110.03	110.03	1.2	ANNUAL	ALL	4
301671.77	4021105.13	0.16191	109.73	109.73	1.2	1-HR	ALL	1ST	10010709	301671.77	4021105.13	0.03546	109.73	109.73	1.2	24-HR	ALL	1ST	7013024	301671.77	4021105.13	0.00588	109.73	109.73	1.2	ANNUAL	ALL	4
301666.55	4020974.28	0.15597	109.73	109.73	1.2	1-HR	ALL	1ST	9020502	301666.55	4020974.28	0.02396	109.73	109.73	1.2	24-HR	ALL	1ST	10121724	301666.55	4020974.28	0.00268	109.73	109.73	1.2	ANNUAL	ALL	4
301708.26	4020936.75	0.18512	109.73	109.73	1.2	1-HR	ALL	1ST	9022108	301708.26	4020936.75	0.0365	109.73	109.73	1.2	24-HR	ALL	1ST	10122024	301708.26	4020936.75	0.00226	109.73	109.73	1.2	ANNUAL	ALL	4
301734.32	4020584.35	0.05831	109.73	109.73	1.2	1-HR	ALL	1ST	7122304	301734.32	4020584.35	0.00662	109.73	109.73	1.2	24-HR	ALL	1ST	8120824	301734.32	4020584.35	0.00048	109.73	109.73	1.2	ANNUAL	ALL	4
301816.11	4020492.37	0.04913	109.73	109.73	1.2	1-HR	ALL	1ST	8011717	301816.11	4020492.37	0.00613	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301816.11	4020492.37	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4
302101.58	4020387.93	0.037	109.8	109.8	1.2	1-HR	ALL	1ST	7120821	302101.58	4020387.93	0.00565	109.8	109.8	1.2	24-HR	ALL	1ST	10121124	302101.58	4020387.93	0.00064	109.8	109.8	1.2	ANNUAL	ALL	4
302077.1	4020392.08	0.03737	109.73	109.73	1.2	1-HR	ALL	1ST	10121119	302077.1	4020392.08	0.00505	109.73	109.73	1.2	24-HR	ALL	1ST	10121124	302077.1	4020392.08	0.00062	109.73	109.73	1.2	ANNUAL	ALL	4
301872.2	4020395.47	0.04036	109.73	109.73	1.2	1-HR	ALL	1ST	9012419	301872.2	4020395.47	0.0039	109.73	109.73	1.2	24-HR	ALL	1ST	7032124	301872.2	4020395.47	0.00038	109.73	109.73	1.2	ANNUAL	ALL	4
301896.31	4020390.95	0.04	109.73	109.73	1.2	1-HR	ALL	1ST	9122722	301896.31	4020390.95	0.00391	109.73	109.73	1.2	24-HR	ALL	1ST	7022324	301896.31	4020390.95	0.0004	109.73	109.73	1.2	ANNUAL	ALL	4
301917.02	4020390.57	0.03894	109.73	109.73	1.2	1-HR	ALL	1ST	9010207	301917.02	4020390.57	0.00398	109.73	109.73	1.2	24-HR	ALL	1ST	7040224	301917.02	4020390.57	0.00043	109.73	109.73	1.2	ANNUAL	ALL	4
301940.37	4020387.18	0.03953	109.73	109.73	1.2	1-HR	ALL	1ST	10020506	301940.37	4020387.18	0.00458	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	301940.37	4020387.18	0.00045	109.73	109.73	1.2	ANNUAL	ALL	4
301960.71	4020387.93	0.03963	109.73	109.73	1.2	1-HR	ALL	1ST	8120403	301960.71	4020387.93	0.00466	109.73	109.73	1.2	24-HR	ALL	1ST	8012224	301960.71	4020387.93	0.00047	109.73	109.73	1.2	ANNUAL	ALL	4
301981.81	4020394.34	0.04297	109.73	109.73	1.2	1-HR	ALL	1ST	8120116	301981.81	4020394.34	0.0045	109.73	109.73	1.2	24-HR	ALL	1ST	10030824	301981.81	4020394.34	0.00051	109.73	109.73	1.2	ANNUAL	ALL	4
302001.77	4020390.19	0.03956	109.73	109.73	1.2	1-HR	ALL	1ST	8120116	302001.77	4020390.19	0.00495	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	302001.77	4020390.19	0.00052	109.73	109.73	1.2	ANNUAL	ALL	4
302029.27	4020387.56	0.03858	109.73	109.73	1.2	1-HR	ALL	1ST	9121102	302029.27	4020387.56	0.0052	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	302029.27	4020387.56	0.00055	109.73	109.73	1.2	ANNUAL	ALL	4
302051.11	4020389.82	0.03828	109.73	109.73	1.2	1-HR	ALL	1ST	10010606	302051.11	4020389.82	0.00492	109.73	109.73	1.2	24-HR	ALL	1ST	9032024	302051.11	4020389.82	0.00058	109.73	109.73	1.2	ANNUAL	ALL	4
302148.43	4020865.24	0.12232	110.34	110.34	1.2	1-HR	ALL	1ST	9013018	302148.43	4020865.24	0.02831	110.34	110.34	1.2	24-HR	ALL	1ST	8010724	302148.43	4020865.24	0.00484	110.34	110.34	1.2	ANNUAL	ALL	4
302321.32	4020857.33	0.06532	110.64	110.64	1.2	1-HR	ALL	1ST	8123017	302321.32	4020857.33	0.0138	110.64	110.64	1.2	24-HR	ALL	1ST	9010324	302321.32	4020857.33	0.00186	110.64	110.64	1.2	ANNUAL	ALL	4
302105.53	4021102.15	0.173	110.34	110.34	1.2	1-HR	ALL	1ST	10020317	302105.53	4021102.15	0.02059	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302105.53	4021102.15	0.00209	110.34	110.34	1.2	ANNUAL	ALL	4
302138.51	4021117.52	0.1457	110.34	110.34	1.2	1-HR	ALL	1ST	10020317	302138.51	4021117.52	0.01706	110.34	110.34	1.2	24-HR	ALL	1ST	8010624	302138.51	4021117.52	0.00159	110.34	110.34	1.2	ANNUAL	ALL	4
301927.96	4021262.55	0.12332	110.04	110.04	1.2	1-HR	ALL	1ST	9012404	301927.96	4021262.55	0.01655	110.04	110.04	1.2	24-HR	ALL	1ST	10010824	301927.96	4021262.55	0.00209	110.04	110.04	1.2	ANNUAL	ALL	4
301979.83	4021286.24	0.10854	110.03	110.03	1.2	1-HR	ALL	1ST	9122916	301979.83	4021286.24	0.01189	110.03	110.03	1.2	24-HR	ALL	1ST	9122924	301979.83	4021286.24	0.00157	110.03	110.03	1.2	ANNUAL	ALL	4
302011.85	4021285.92	0.09731	110.03	110.03	1.2	1-HR	ALL	1ST	9010108	302011.85	4021285.92	0.00958	110.03	110.03	1.2	24-HR	ALL	1ST	9121924	302011.85	4021285.92	0.00143	110.03	110.03	1.2	ANNUAL	ALL	4
302029.46	4021286.88	0.09396	110.03	110.03	1.2	1-HR	ALL	1ST	9021118	302029.46	4021286.88	0.00798	110.03	110.03	1.2	24-HR	ALL	1ST	9021124	302029.46	4021286.88	0.00136	110.03	110.03	1.2	ANNUAL	ALL	4
302055.71	4021284	0.1077	110.08	110.08	1.2	1-HR	ALL	1ST	8012701	302055.71	4021284	0.01	110.08	110.08	1.2	24-HR	ALL	1ST	7020724	302055.71	4021284	0.00128	110.08	110.08	1.2	ANNUAL	ALL	4
302077.16	4021285.92	0.10307	110.23	110.23	1.2	1-HR	ALL	1ST	10120602	302077.16	4021285.92	0.00934	110.23	110.23	1.2	24-HR	ALL	1ST	7020724	302077.16	4021285.92	0.00117	110.23	110.23	1.2	ANNUAL	ALL	4
302168.41	4021281.76	0.08352	110.34	110.34	1.2	1-HR	ALL	1ST	9122418	302168.41	4021281.76	0.00868	110.34	110.34	1.2	24-HR	ALL	1ST	10011024	302168.41	4021281.76	0.00078	110.34	110.34	1.2	ANNUAL	ALL	4
302114.3	4021290.73	0.09332	110.22	110.22	1.2	1-HR	ALL	1ST	10021419	302114.3	4021290.73	0.01156	110.22	110.22	1.2	24-HR	ALL	1ST	10011024	302114.3	4021290.73	0.00098	110.22	110.22	1.2	ANNUAL	ALL	4
302225.4	4021320.82	0.06466	110.34	110.34	1.2	1-HR	ALL	1ST	10021718	302225.4	4021320.82	0.00599	110.34	110.34	1.2	24-HR	ALL	1ST	10010524	302225.4	4021320.82	0.00057	110.34	110.34	1.2	ANNUAL	ALL	4
302043.23	4021328.19	0.07779	110.03	110.03	1.2	1-HR	ALL	1ST	9012903	302043.23	4021328.19	0.00646	110.03	110.03	1.2	24-HR	ALL	1ST	9021124	302043.23	4021328.19	0.00107	110.03	110.03	1.2	ANNUAL	ALL	4
301949.09	4021331.07	0.08795	110.12	110.12	1.2	1-HR	ALL	1ST	10122108	301949.09	4021331.07	0.01184	110.12	110.12	1.2	24-HR	ALL	1ST	10010824	301949.09	4021331.07	0.00132	110.12	110.12	1.2	ANNUAL	ALL	4
301726.29	4021362.43	0.07116	110.14	110.14	1.2	1-HR	ALL	1ST	8012617	301726.29	4021362.43	0.01238	110.14	110.14	1.2	24-HR	ALL	1ST	9120624	301726.29	4021362.43	0.00151	110.14	110.14	1.2	ANNUAL	ALL	4
301691.09	4021348.1	0.08085	110.04	110.04	1.2	1-HR	ALL	1ST	10121019	301691.09	4021348.1	0.01525	110.04	110.04	1.2	24-HR	ALL	1ST	9021324	301691.09	4021348.1	0.00182	110.04	110.04	1.2	ANNUAL	ALL	4
301611.33	4021383.53	0.06733	109.63	109.63	1.2	1-HR	ALL	1ST	10122809	301611.33	4021383.53	0.01411	109.63	109.63	1.2	24-HR	ALL	1ST	8021524	301611.33	4021383.53	0.00155	109.63	109.63	1.2	ANNUAL	ALL	4
301576.14	4021369.2	0.06134	109.71	109.71	1.2	1-HR	ALL	1ST	10121520	301576.14	4021369.2	0.01267	109.71	109.71	1.2	24-HR	ALL	1ST	8021524	301576.14	4021369.2	0.00158	109.71	109.71	1.2	ANNUAL	ALL	4
301540.94	4021354.88	0.05883	109.73	109.73	1.2	1-HR	ALL	1ST	8022703	301540.94	4021354.88	0.01132	109.73	109.73	1.2	24-HR	ALL	1ST	8122124	301540.94	4021354.88	0.00159	109.73	109.73	1.2	ANNUAL	ALL	4
** CONCUNIT ug/	m^3								** CONCUNIT ug/	m^3									** CONCUNIT ug/	m^3							
** DEPUNIT g/m^	2								** DEPUNIT g/m^	2									** DEPUNIT g/m^	2							

Health Risk Assessment

On-site Receptor (Future Residents) Health Risk Calculations from Project-generated Benzene Emissions

Farmersville Mixed Use Project—Benzene Health Risk Calculations for Future On-site Sensitive Receptors (Future Residences)

Risk Calculations

1-Hour Average Concentration:	0.30194	1-Hour concentration (µg/m3) from air dispersion model
24-Hour Average Concentration:	0.06914	24-Hour average concentration (µg/m3) from air dispersion model
Annual Average Concentration:	0.01592	annual average concentration (µg/m3) from air dispersion model

Cancer Risk

	3rd trimester	0<2 years	2<9 years	9<16 years	2<16 years	16<30 years	30<70 years	16<70 years
DOSEair = (Cair*(BR/BW)*A*EF*10^{-6})	5.51724E-06	1.66587E-05	9.64370E-06	8.74199E-06	8.74199E-06	3.98892E-06	3.56099E-06	3.56099E-06
Risk = DOSEair * CPF * ASF * ED/AT * FAH	1.97044E-08	4.75963E-07	2.89311E-07	2.62260E-07	5.24519E-07	7.97783E-08	2.03485E-07	2.74705E-07
Exposure Duration (years)	0.25	2	7	7	14	14	40	54

Cancer Risk:

	Risk	in one million	Exposure (years)
70-year exposure	1.295E-06	1.29	70
30-year exposure	1.100E-06	1.10	30
9-year exposure	7.850E-07	0.78	9

	DOSEair		mg/kg-d	Dose through inhalation
	CPF	0.1	$(mg/kg/day)^{-1}$	Cancer Potency Factor for Benzene
BR/BW	BR/BW (3rd trimester)	361	L/kg	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090	bodyweight-	95th percentile used for 3rd trimester and 0<2
	BR/BW (2 < 9 years)	631	day	80th percentile used for all other age bins
	BR/BW (2 < 16 years)	572		
	BR/BW (9 < 16 years)	572		
	BR/BW (16 < 30 years)	261		
	BR/BW (16 < 70 years)	233		
	10^{-6}	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	Cair	0.1	ug/m3	Concentration in air (ug/m3), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (9 < 16 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16<70 years)	40		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	1		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	1		
	FAH (16 - 70 years)	1		

Farmersville Mixed Use Project—Benzene Health Risk Calculations for Future On-site Sensitive Receptors (Future Residences)

Chronic Noncancer Hazard

Threshold:	1	
Hazard Quotient = Ci/RELi		
HQ =	0.005	Hazard Quotient
C_i	0.016	Concentration in the air of substance i (annual average concentration in µg/m^3)
REL_i	3	Chronic noncancer Reference Exposure Level for substance i (µg/m^3)
Chronic RELi (Benzene):	3	
Chronic RELi (Diesel Exhaust):	5	Shown for informational purposes only (not used in benzene calculations)

Acute NonCancer Hazard

Threshold:	1	
Acute HQ = Maximum Hourly Concentration/Acute REL		
Acute HQ =	0.011	Acute HQ = Maximum Hourly Air Concentration (µg/m^3) / Acute REL (µg/m^3)
Maximum Hourly	0.302	Maximum Hourly Air Concentration (µg/m^3)
Acute (Benzene):	27	Acute REL (µg/m^3)
8-hour (Benzene):	3	
Chronic (Benzene):	3	

Future On-site Sensitive Receptors (Future Residences)
Benzene

1-HR
Maximum 0.30194

24-HR
Maximum 0.06914

ANNUAL
Maximum 0.01592
UTM
X Y
301983.02 4020905.47

* AERMOD (21112): G:\0014.010\Op Benzene\OpBenzene.isc 5/29/2022
* AERMET (18081): 10:49:33 AM
* MODELING OPTI ONS USED: Reg DFAULT CONC E LEV FLGP OL URBAN ADJ_U *
* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES F OR SOURCE GROUP: ALL
* FOR A TOTAL OF 1063 RECEPTORS.
* FORMA T: (3(1X,F13.5) ,3(1X,F8.2),3X, A5,2X,A8, 2X,A5,5X, A8,2X,I 8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK DATE(CONC)
*

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	DATE(CONC)
302053.07	4021042.3	0.26249	110.34	110.34	1.2	1-HR	ALL	1ST	10021218
302052.89	4021033.16	0.26549	110.34	110.34	1.2	1-HR	ALL	1ST	10020318
302052.98	4021019.75	0.26834	110.34	110.34	1.2	1-HR	ALL	1ST	10021922
302052.81	4021010.62	0.26747	110.34	110.34	1.2	1-HR	ALL	1ST	8011609
302053.56	4020997.33	0.2634	110.34	110.34	1.2	1-HR	ALL	1ST	10020117
302053.39	4020988.19	0.25211	110.34	110.34	1.2	1-HR	ALL	1ST	10010218
302052.79	4020975.88	0.24995	110.34	110.34	1.2	1-HR	ALL	1ST	9011819
302052.61	4020966.74	0.24689	110.34	110.34	1.2	1-HR	ALL	1ST	7012217
302052.79	4020938.77	0.2271	110.26	110.26	1.2	1-HR	ALL	1ST	8021908
302052.61	4020929.63	0.23102	110.17	110.17	1.2	1-HR	ALL	1ST	7120420
302052.79	4020916.93	0.22122	110.06	110.06	1.2	1-HR	ALL	1ST	10021822
302052.61	4020907.79	0.21374	110.06	110.06	1.2	1-HR	ALL	1ST	9012219
302053.76	4020894.5	0.20101	110.07	110.07	1.2	1-HR	ALL	1ST	10022723
302053.58	4020885.37	0.19178	110.07	110.07	1.2	1-HR	ALL	1ST	8012221
302053.76	4020872.47	0.18189	110.05	110.05	1.2	1-HR	ALL	1ST	7022707
302053.58	4020863.33	0.17634	110.04	110.04	1.2	1-HR	ALL	1ST	10010222
302053.95	4020953.63	0.24704	110.34	110.34	1.2	1-HR	ALL	1ST	8020517
301983.02	4020905.47	0.30194	110	110	1.2	1-HR	ALL	1ST	9120117
301991.54	4020905.19	0.28781	110.03	110.03	1.2	1-HR	ALL	1ST	7022024
302004.18	4020905.47	0.27333	110.03	110.03	1.2	1-HR	ALL	1ST	7021418
302012.7	4020905.19	0.25846	110.03	110.03	1.2	1-HR	ALL	1ST	8121617
301985.86	4020865.57	0.22885	109.99	109.99	1.2	1-HR	ALL	1ST	9010707
301994.38	4020865.28	0.22089	110.03	110.03	1.2	1-HR	ALL	1ST	7121520
302008.01	4020865.71	0.21262	110.03	110.03	1.2	1-HR	ALL	1ST	8011120
302016.53	4020865.42	0.20726	110.03	110.03	1.2	1-HR	ALL	1ST	9120117

** CONCUNIT ug/ m^3
** DEPUNIT g/m^ 2

* AERMOD (21112): G:\0014.010\Op Benzene\OpBenzene.isc 5/29/2022
* AERMET (18081): 10:49:33 AM
* MODELING OPTI ONS USED: Re DFAULT CONC LEV FLGP OL URBAN ADJ_U *
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES F OR SOURC GROUP ALL
* FOR A TOTAL OF 1063 RECEPTORS.
* FORMA T: (3(1X,F13.5) ,3(1X,F8.2),3X, A5,2X,A8, 2X,A5,5X, A8,2X,I 8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK DATE(CONC
*

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	DATE(CONC
302053.07	4021042.3	0.03002	110.34	110.34	1.2	24-HR	ALL	1ST	9012224
302052.89	4021033.16	0.0304	110.34	110.34	1.2	24-HR	ALL	1ST	8021824
302052.98	4021019.75	0.04758	110.34	110.34	1.2	24-HR	ALL	1ST	8011424
302052.81	4021010.62	0.05405	110.34	110.34	1.2	24-HR	ALL	1ST	8011424
302053.56	4020997.33	0.04496	110.34	110.34	1.2	24-HR	ALL	1ST	8011424
302053.39	4020988.19	0.05349	110.34	110.34	1.2	24-HR	ALL	1ST	9010324
302052.79	4020975.88	0.06376	110.34	110.34	1.2	24-HR	ALL	1ST	9010324
302052.61	4020966.74	0.06448	110.34	110.34	1.2	24-HR	ALL	1ST	9010324
302052.79	4020938.77	0.05861	110.26	110.26	1.2	24-HR	ALL	1ST	8010724
302052.61	4020929.63	0.05874	110.17	110.17	1.2	24-HR	ALL	1ST	8010724
302052.79	4020916.93	0.05479	110.06	110.06	1.2	24-HR	ALL	1ST	8010724
302052.61	4020907.79	0.05143	110.06	110.06	1.2	24-HR	ALL	1ST	7030924
302053.76	4020894.5	0.05117	110.07	110.07	1.2	24-HR	ALL	1ST	7030924
302053.58	4020885.37	0.04797	110.07	110.07	1.2	24-HR	ALL	1ST	7030924
302053.76	4020872.47	0.04714	110.05	110.05	1.2	24-HR	ALL	1ST	9122824
302053.58	4020863.33	0.04416	110.04	110.04	1.2	24-HR	ALL	1ST	9122824
302053.95	4020953.63	0.05719	110.34	110.34	1.2	24-HR	ALL	1ST	9010324
301983.02	4020905.47	0.06334	110	110	1.2	24-HR	ALL	1ST	8042124
301991.54	4020905.19	0.06392	110.03	110.03	1.2	24-HR	ALL	1ST	7032524
302004.18	4020905.47	0.06902	110.03	110.03	1.2	24-HR	ALL	1ST	9122824
302012.7	4020905.19	0.06914	110.03	110.03	1.2	24-HR	ALL	1ST	9122824
301985.86	4020865.57	0.04713	109.99	109.99	1.2	24-HR	ALL	1ST	7021324
301994.38	4020865.28	0.0453	110.03	110.03	1.2	24-HR	ALL	1ST	7021324
302008.01	4020865.71	0.04254	110.03	110.03	1.2	24-HR	ALL	1ST	7022824
302016.53	4020865.42	0.04211	110.03	110.03	1.2	24-HR	ALL	1ST	7032524

** CONCUNIT ug/ m^3
** DEPUNIT g/m^ 2

* AERMOD (21112): G:\0014.010\Op Benzene\OpBenzene.isc 5/29/2022
* AERMET (18081): 10:49:33 AM
* MODELING OP1 ONS USED: Reg DFAULT CONC E LEV FLGP OL URBAN ADJ_U*
* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 4 YEARS FOR SOUR CE GROUP : ALL
* FOR A TOTAL OF 1063 RECEPTORS.
* FORMA T: (3(1X,F13.5) ,3(1X,F8.2),2X, A6,2X,A8, 2X,I8.8,2 X,A8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP NUM YRS Receptor

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	Receptor
302053.07	4021042.3	0.00506	110.34	110.34	1.2	ANNUAL	ALL	4	On-site
302052.89	4021033.16	0.00565	110.34	110.34	1.2	ANNUAL	ALL	4	On-site
302052.98	4021019.75	0.00662	110.34	110.34	1.2	ANNUAL	ALL	4	On-site
302052.81	4021010.62	0.00732	110.34	110.34	1.2	ANNUAL	ALL	4	On-site
302053.56	4020997.33	0.00822	110.34	110.34	1.2	ANNUAL	ALL	4	On-site
302053.39	4020988.19	0.00885	110.34	110.34	1.2	ANNUAL	ALL	4	On-site
302052.79	4020975.88	0.00963	110.34	110.34	1.2	ANNUAL	ALL	4	On-site
302052.61	4020966.74	0.01007	110.34	110.34	1.2	ANNUAL	ALL	4	On-site
302052.79	4020938.77	0.01071	110.26	110.26	1.2	ANNUAL	ALL	4	On-site
302052.61	4020929.63	0.01079	110.17	110.17	1.2	ANNUAL	ALL	4	On-site
302052.79	4020916.93	0.01071	110.06	110.06	1.2	ANNUAL	ALL	4	On-site
302052.61	4020907.79	0.01056	110.06	110.06	1.2	ANNUAL	ALL	4	On-site
302053.76	4020894.5	0.01006	110.07	110.07	1.2	ANNUAL	ALL	4	On-site
302053.58	4020885.37	0.0097	110.07	110.07	1.2	ANNUAL	ALL	4	On-site
302053.76	4020872.47	0.00908	110.05	110.05	1.2	ANNUAL	ALL	4	On-site
302053.58	4020863.33	0.00861	110.04	110.04	1.2	ANNUAL	ALL	4	On-site
302053.95	4020953.63	0.01032	110.34	110.34	1.2	ANNUAL	ALL	4	On-site
301983.02	4020905.47	0.01592	110	110	1.2	ANNUAL	ALL	4	On-site
301991.54	4020905.19	0.01563	110.03	110.03	1.2	ANNUAL	ALL	4	On-site
302004.18	4020905.47	0.01493	110.03	110.03	1.2	ANNUAL	ALL	4	On-site
302012.7	4020905.19	0.01421	110.03	110.03	1.2	ANNUAL	ALL	4	On-site
301985.86	4020865.57	0.0093	109.99	109.99	1.2	ANNUAL	ALL	4	On-site
301994.38	4020865.28	0.00949	110.03	110.03	1.2	ANNUAL	ALL	4	On-site
302008.01	4020865.71	0.00973	110.03	110.03	1.2	ANNUAL	ALL	4	On-site
302016.53	4020865.42	0.00969	110.03	110.03	1.2	ANNUAL	ALL	4	On-site

** CONCUNIT ug/ m^3
** DEPUNIT g/m^ 2

ATTACHMENT C

Energy Consumption Calculations

Construction Vehicle Fuel Calculations

California Air Resource Board (ARB). 2022. EMFAC2017 Web Database (v1.0.2). Website: https://arb.ca.gov/emfac/2017/.

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: TULARE
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

VMT = Vehicle Miles Traveled
FE = Fuel Economy

						Given			*Calculations*	
Region	Calendar Year	Vehicle Class	Model Year	Speed	Fuel	Population	VMT (mi/day)	Consumption (1000 gallons/day)	FE (mi/gallon)	VMT*FE
TULARE	2022	HHDT	Aggregated	Aggregated	GAS	0.74013886	94.93513	0.02095059	4.531382945	430.1874
TULARE	2022	HHDT	Aggregated	Aggregated	DSL	6022.75373	811768.43	121.055854	6.705734602	5443504
TULARE	2022	LDA	Aggregated	Aggregated	GAS	188558.696	7599808.3	241.783723	31.43225794	2.39E+08
TULARE	2022	LDA	Aggregated	Aggregated	DSL	1534.31562	64945.054	1.23608636	52.54087139	3412270
TULARE	2022	LDT1	Aggregated	Aggregated	GAS	19952.5007	700693.41	26.4704103	26.47081767	18547927
TULARE	2022	LDT1	Aggregated	Aggregated	DSL	15.8118427	300.40324	0.01153024	26.05350809	7826.558
TULARE	2022	LDT2	Aggregated	Aggregated	GAS	64553.1295	2373068.4	96.5887074	24.56879754	58303437
TULARE	2022	LDT2	Aggregated	Aggregated	DSL	312.729517	13823.781	0.35563718	38.87045943	537336.7
TULARE	2022	LHDT1	Aggregated	Aggregated	GAS	5886.5536	191309.8	23.0187	8.311060322	1589987
TULARE	2022	LHDT1	Aggregated	Aggregated	DSL	7677.80692	254946.36	14.4787361	17.60832974	4489180
TULARE	2022	LHDT2	Aggregated	Aggregated	GAS	952.561529	31155.289	4.30173262	7.242497808	225642.1
TULARE	2022	LHDT2	Aggregated	Aggregated	DSL	2385.46076	81619.333	5.18097869	15.75365155	1285803
TULARE	2022	MDV	Aggregated	Aggregated	GAS	72295.4975	2441257.2	125.814551	19.40361577	47369217
TULARE	2022	MDV	Aggregated	Aggregated	DSL	1425.02212	57725.883	2.09894477	27.50233531	1587597
TULARE	2022	MHDT	Aggregated	Aggregated	GAS	425.099814	21078.716	4.37676115	4.816053461	101516.2
TULARE	2022	MHDT	Aggregated	Aggregated	DSL	4403.85249	269894.54	28.9913295	9.309491571	2512581

Worker
Weighted Average Fuel Economy **27.81884**

Vendor
Weighted Average Fuel Economy **9.4163**

Haul
Weighted Average Fuel Economy **6.70548**

Construction Vehicle Fuel Calculations

Construction Schedule

Source: CalEEMod Output

CalEEMod Run	Phase Name	Start Date	End Date	Num Days Week	Num Days
Residential Development	Site Preparation	8/1/2022	8/3/2022	5	3
Residential Development	Grading	8/4/2022	8/11/2022	5	6
Residential Development	Building Construction	8/12/2022	6/15/2023	5	220
Residential Development	Paving	6/16/2023	6/29/2023	5	10
Residential Development	Architectural Coating	6/30/2023	7/13/2023	5	10
Commercial Development	Site Preparation	8/1/2022	8/5/2022	5	5
Commercial Development	Grading	8/6/2022	8/17/2022	5	8
Commercial Development	Building Construction	8/18/2022	7/5/2023	5	230
Commercial Development	Paving	7/6/2023	7/31/2023	5	18
Commercial Development	Architectural Coating	8/1/2023	8/24/2023	5	18

Construction Trips and VMT

		Trips per Day		Total Trips	Construction Trip Length in Miles				Trips per Phase			VMT per Phase			Fuel Consumption (gallons)		
CalEEMod Run	Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Number of Days per Phase	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Residential Development	Site Preparation	8	0	6	16.8	6.6	20	3	24	0	6	403	0	120	14.49	0.00	17.90
Residential Development	Grading	10	0	8	16.8	6.6	20	6	60	0	8	1,008	0	160	36.23	0.00	23.86
Residential Development	Building Construction	43	8	16	16.8	6.6	20	220	9,460	1,760	16	158,928	11,616	320	5,712.96	1,233.61	47.72
Residential Development	Paving	15	4	12	16.8	6.6	20	10	150	40	12	2,520	264	240	90.59	28.04	35.79
Residential Development	Architectural Coating	9	0	2	16.8	6.6	20	10	90	0	2	1,512	0	40	54.35	0.00	5.97
Commercial Development	Site Preparation	18	0	14	16.8	6.6	20	5	90	0	14	1,512	0	280	54.35	0.00	41.76
Commercial Development	Grading	15	0	637	16.8	6.6	20	8	120	0	637	2,016	0	12,740	72.47	0.00	1,899.94
Commercial Development	Building Construction	82	33	18	16.8	6.6	20	230	18,860	7,590	18	316,848	50,094	360	11,389.69	5,319.92	53.69
Commercial Development	Paving	20	4	16	16.8	6.6	20	18	360	72	16	6,048	475	320	217.41	50.47	47.72
Commercial Development	Architectural Coating	16	0	2	16.8	6.6	20	18	288	0	2	4,838	0	40	173.93	0.00	5.97

Total Project Construction VMT (miles)

572,703

Total Project Fuel Consumption (gallons)

26,629

Construction Equipment Fuel Calculation

Source: CalEEMod Output

Construction Schedule

Construction Area	Phase Type	Start Date	End Date	Num Days Week	Num Days
Residential Development	Site Preparation	8/1/2022	8/3/2022	5	3
Residential Development	Grading	8/4/2022	8/11/2022	5	6
Residential Development	Building Construction	8/12/2022	6/15/2023	5	220
Residential Development	Paving	6/16/2023	6/29/2023	5	10
Residential Development	Architectural Coating	6/30/2023	7/13/2023	5	10
Commercial Development	Site Preparation	8/1/2022	8/5/2022	5	5
Commercial Development	Grading	8/6/2022	8/17/2022	5	8
Commercial Development	Building Construction	8/18/2022	7/5/2023	5	230
Commercial Development	Paving	7/6/2023	7/31/2023	5	18
Commercial Development	Architectural Coating	8/1/2023	8/24/2023	5	18

Construction Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of Days	HP Hours	Fuel (gallons/HP-	Diesel Fuel Usage
Residential Development									
Site Preparation	Graders	1	8	187	0.41	3	1,840.08	0.0212148	39.04
Site Preparation	Scrapers	1	8	367	0.48	3	4,227.84	0.0248867	105.22
Site Preparation	Tractors/Loaders/Backhoes	1	7	97	0.37	3	753.69	0.0190266	14.34
Grading	Graders	1	8	187	0.41	6	3,680.16	0.0212148	78.07
Grading	Rubber Tired Dozers	1	8	247	0.40	6	4,742.40	0.0212148	100.61
Grading	Tractors/Loaders/Backhoes	2	7	97	0.37	6	3,014.76	0.0190266	57.36
Building Construction	Cranes	1	8	231	0.29	220	117,902.40	0.0148849	1,754.96
Building Construction	Forklifts	2	7	89	0.20	220	54,824.00	0.0208047	1,140.60
Building Construction	Generator Sets	1	8	84	0.74	220	109,401.60	0.0423576	4,633.99
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	220	47,374.80	0.0190266	901.38
Building Construction	Welders	3	8	46	0.45	220	109,296.00	0.0258459	2,824.85
Paving	Cement and Mortar Mixers	1	8	9	0.56	10	403.20	0.0318457	12.84
Paving	Pavers	1	8	130	0.42	10	4,368.00	0.0215272	94.03
Paving	Paving Equipment	1	8	132	0.36	10	3,801.60	0.0183326	69.69
Paving	Rollers	2	8	80	0.38	10	4,864.00	0.0194042	94.38
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	10	2,871.20	0.0190266	54.63
Architectural Coating	Air Compressors	1	6	78	0.48	10	2,246.40	0.0275542	61.90
							Residential Development Total		**12,037.89**
Commercial Development									
Site Preparation	Rubber Tired Dozers	3	8	247	0.40	5	11,856.00	0.0212148	251.52
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	5	5,742.40	0.0190266	109.26
Grading	Excavators	1	8	158	0.38	8	3,842.56	0.0197573	75.92
Grading	Graders	1	8	187	0.41	8	4,906.88	0.0212148	104.10
Grading	Rubber Tired Dozers	1	8	247	0.40	8	6,323.20	0.0212148	134.15
Grading	Tractors/Loaders/Backhoes	3	8	97	0.37	8	6,890.88	0.0190266	131.11
Building Construction	Cranes	1	7	231	0.29	230	107,853.90	0.0148849	1,605.39
Building Construction	Forklifts	3	8	89	0.20	230	98,256.00	0.0208047	2,044.19
Building Construction	Generator Sets	1	8	84	0.74	230	114,374.40	0.0423576	4,844.63
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	230	173,348.70	0.0190266	3,298.23
Building Construction	Welders	1	8	46	0.45	230	38,088.00	0.0258459	984.42
Paving	Cement and Mortar Mixers	2	6	9	0.56	18	1,088.64	0.0318457	34.67
Paving	Pavers	1	8	130	0.42	18	7,862.40	0.0215272	169.26
Paving	Paving Equipment	2	6	132	0.36	18	10,264.32	0.0183326	188.17
Paving	Rollers	2	6	80	0.38	18	6,566.40	0.0194042	127.42
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	18	5,168.16	0.0190266	98.33
Architectural Coating	Air Compressors	1	6	78	0.48	18	4,043.52	0.0275542	111.42
							Commercial Development Total		**14,312.17**

Summary (Total Project - Residential + Commercial)

Project Total Construction Equipment Fuel Consumption (gallons) **26,350.05**

Notes:
Equipment assumptions are provided in the CalEEMod output files.
Source of usage estimates: California Air Resource Board (CARB). 2022. OFFROAD2017 (v1.0.1) Emissions Inventory for Tulare County
Website: https://www.arb.ca.gov/orion/. Accessed May 1, 2022.

Construction Equipment Fuel Calculation

OFFROAD2017 (v1.0.1) Emissions Inventory
Region Type: County
Region: Tulare
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2017 Equipment Types
Units: Emissions: tons/day, Fuel Consumption: gallons/year, Activity: hours/year, HP-Hours: HP-hours/year

Region	Vehicle Class	Model Year	HP_Bin	Fuel	Fuel (gallons/year)	Horsepower Hours (HP-hours/year)	Fuel (gallons/HP-hour)
Tulare	Construction and Mining - Cranes	Aggregated	300	Diesel	52657.02	3537623.55	0.014884857
Tulare	Construction and Mining - Excavators	Aggregated	175	Diesel	156561.57	7924249.90	0.019757273
Tulare	Construction and Mining - Graders	Aggregated	175	Diesel	95622.49	4507357.53	0.021214755
Tulare	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregated	25	Diesel	518.30	16275.35	0.031845705
Tulare	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregated	50	Diesel	266.45	6383.85	0.041738136
Tulare	Construction and Mining - Pavers	Aggregated	175	Diesel	20697.10	961439.23	0.021527205
Tulare	Construction and Mining - Paving Equipment	Aggregated	175	Diesel	8797.73	479896.07	0.018332574
Tulare	Construction and Mining - Rollers	Aggregated	100	Diesel	49945.72	2573962.80	0.019404212
Tulare	Construction and Mining - Rough Terrain Forklifts	Aggregated	100	Diesel	128035.04	6154134.12	0.020804721
Tulare	Construction and Mining - Rubber Tired Dozers	Aggregated	300	Diesel	6934.53	338050.60	0.020513278
Tulare	Construction and Mining - Scrapers	Aggregated	300	Diesel	57538.00	2311993.76	0.024886746
Tulare	Construction and Mining - Tractors/Loaders/Backhoes	Aggregated	300	Diesel	84418.90	4436891.50	0.019026586
Tulare	Light Commercial - Misc - Air Compressors	Aggregated	50	Diesel	8584.80	311560.35	0.027554212
Tulare	Light Commercial - Misc - Generator Sets	Aggregated	50	Diesel	23662.95	558647.10	0.042357599
Tulare	Light Commercial - Misc - Welders	Aggregated	50	Diesel	39441.90	1526043.10	0.025845862

Operational Fuel Calculation—Project-generated Operational Trips

California Air Resource Board (CARB). 2022. EMFAC2017 Web Database (v1.0.2). Website: https://arb.ca.gov/emfac/2017/. Accessed May 20, 2022.

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: TULARE
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

VMT = Vehicle Miles Traveled
FE = Fuel Economy

				Given					*Calculations*	
Region	Calendar Year	Vehicle Class	Model Year	Speed	Fuel	Population	VMT	Fuel Consumption	FE	VMT*FE
TULARE	2023	LDA	Aggregated	Aggregated	GAS	194341.66	7781539.194	240.9441471	32.29602913	251312816.5
TULARE	2023	LDA	Aggregated	Aggregated	DSL	1677.563241	70546.38003	1.308911222	53.89699383	3802237.809
								Weighted Average Fuel Economy		**32.49010112**
TULARE	2023	LDT1	Aggregated	Aggregated	GAS	20202.36518	711822.785	26.13139601	27.24013615	19390149.58
TULARE	2023	LDT1	Aggregated	Aggregated	DSL	14.43955166	273.5075047	0.010409698	26.2742977	7186.217601
TULARE	2023	LDT2	Aggregated	Aggregated	GAS	65445.33966	2395055.727	94.1461708	25.43975721	60929636.21
TULARE	2023	LDT2	Aggregated	Aggregated	DSL	352.5825374	15283.42659	0.382579426	39.94837557	610548.0655
TULARE	2023	MDV	Aggregated	Aggregated	GAS	70473.73301	2352077.882	118.165127	19.90500871	46818130.74
TULARE	2023	MDV	Aggregated	Aggregated	DSL	1489.467522	58900.64565	2.09426604	28.12471984	1656564.157
								Weighted Average Fuel Economy		**23.38740885**
TULARE	2023	LHDT1	Aggregated	Aggregated	GAS	5687.416542	184533.638	21.98073253	8.395245141	1549205.128
TULARE	2023	LHDT1	Aggregated	Aggregated	DSL	7483.050739	243966.9911	13.73314965	17.76482433	4334030.74
TULARE	2023	LHDT2	Aggregated	Aggregated	GAS	927.9673629	30040.97044	4.111810876	7.306019499	219479.9158
TULARE	2023	LHDT2	Aggregated	Aggregated	DSL	2358.470311	79248.01235	4.981192208	15.90944678	1260792.035
TULARE	2023	MHDT	Aggregated	Aggregated	GAS	422.7940169	21441.19841	4.385754432	4.888827851	104822.3279
TULARE	2023	MHDT	Aggregated	Aggregated	DSL	4292.248509	268428.9437	27.85011863	9.638341122	2587209.726
TULARE	2023	HHDT	Aggregated	Aggregated	GAS	0.766672758	109.5717547	0.023757256	4.612138469	505.3601048
TULARE	2023	HHDT	Aggregated	Aggregated	DSL	6112.223904	828308.3513	118.4032266	6.995656921	5794561.05
								Weighted Average Fuel Economy		**9.571173202**
TULARE	2023	MCY	Aggregated	Aggregated	GAS	9492.049406	64886.09723	1.717076096	37.78871384	2451962.16
								Weighted Average Fuel Economy		**37.78871384**
TULARE	2023	MH	Aggregated	Aggregated	GAS	956.7519784	8302.119027	1.721603364	4.82231808	40035.45868
TULARE	2023	MH	Aggregated	Aggregated	DSL	535.9643054	4403.20368	0.452244669	9.736330754	42871.0474
TULARE	2023	SBUS	Aggregated	Aggregated	GAS	81.48736587	3966.38229	0.43498633	9.118406763	36167.0871
TULARE	2023	SBUS	Aggregated	Aggregated	DSL	516.2422538	16072.55868	1.995068544	8.056143602	129482.8408
TULARE	2023	OBUS	Aggregated	Aggregated	GAS	144.8239857	6315.425589	1.322132467	4.776696545	30166.87159
TULARE	2023	OBUS	Aggregated	Aggregated	DSL	112.2432127	8622.411295	1.079611097	7.986590098	68863.66467
TULARE	2023	UBUS	Aggregated	Aggregated	GAS	74.61887376	6727.812952	1.49693552	4.494390614	30237.41939
TULARE	2023	UBUS	Aggregated	Aggregated	DSL	19.63891731	1648.574333	0.166679097	9.890708322	16305.56787
								Weighted Average Fuel Economy		**7.030691919**

Operational Fuel Calculation—Project Full Buildout Operational Trips

Total Operational VMT—Residential Development

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	323.52	218.40	185.28	1,039,179	1,039,179
Health Club	0.00	0.00	0.00		
Total	323.52	218.40	185.28	1,039,179	1,039,179

	Annual VMT (miles)
Total Operational VMT	**1,039,179**

By Vehicle Type

Residential Land Uses

	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Residential Development	0.5305	0.2058	0.1673	0.055	0.0011	0.0009	0.0085	0.0218	0	0.0043	0.0025	0.0004	0.0019

	Fraction of 1	Percent of Vehicle Trips	Annual VMT	Average Fuel Economy (miles/gallon)	Average Daily Fuel Consumption (gallons)	Total Annual Fuel Consumption (gallons)	Daily VMT
Passenger Cars (LDA)	0.5305	53.1	551,284	32.49	46.5	16,968	1,510
Light Trucks and Medium Vehicles (LDT1, LDT2, and MDV)	0.4281	42.8	444,873	23.39	52.1	19,022	1,219
Light-Heavy to Heavy-Heavy Diesel Trucks	0.0323	3.2	33,565	9.57	9.6	3,507	92
Motorcycles	0.0025	0.3	2,598	37.79	0.2	69	7
Other	0.0066	0.7	6,859	7.03	2.7	976	19
Total	**—**	**100.0**	**1,039,179**	**—**	**111.1**	**40,541**	**2,847**

Total Operational VMT—Commercial Development

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Convenience Market with Gas Pumps	1,401.99	1,402.00	1402.00	687,905	687,905
Fast Food Restaurant with Drive Thru	1,590.00	2,094.81	1606.77	1,436,870	1,436,870
High Turnover (Sit Down Restaurant)	290.00	330.48	385.13	349,566	349,566
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Supermarket	2,158.32	2,593.48	2355.66	2,450,233	2,450,233
Total	5,440.31	6,420.77	5,749.56	4,924,574	4,924,574

	Annual VMT (miles)
Total Operational VMT	**4,924,574**

By Vehicle Type

Commercial Land Uses

	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Commercial Development	0.501360	0.051135	0.166915	0.181754	0.033094	0.008258	0.011848	0.015416	0.000646	0.000471	0.023851	0.001502	0.003751

	Fraction of 1	Percent of Vehicle Trips	Annual VMT	Average Fuel Economy (miles/gallon)	Average Daily Fuel Consumption (gallons)	Total Annual Fuel Consumption (gallons)	Daily VMT
Passenger Cars (LDA)	0.5014	50.1	2,468,984	32.49	208.2	75,992	6,764
Light Trucks and Medium Vehicles (LDT1, LDT2, and MDV)	0.3998	40.0	1,968,863	23.39	230.6	84,185	5,394
Light-Heavy to Heavy-Heavy Diesel Trucks	0.0686	6.9	337,903	9.57	96.7	35,304	926
Motorcycles	0.0239	2.4	117,456	37.79	8.5	3,108	322
Other	0.0064	0.6	31,368	7.03	12.2	4,462	86
Total	**—**	**100.0**	**4,924,574**	**—**	**556.3**	**203,051**	**13,492**

Total Operational VMT Summary—Residential + Commercial Development

Residential + Commercial Land Uses

	Fraction of 1	Percent of Vehicle Trips	Annual VMT	Average Fuel Economy (miles/gallon)	Average Daily Fuel Consumption (gallons)	Total Annual Fuel Consumption (gallons)	Daily VMT
Passenger Cars (LDA)	0.5064	50.6	3,020,269	32.49	254.7	92,960	8,275
Light Trucks and Medium Vehicles (LDT1, LDT2, and MDV)	0.4047	40.5	2,413,736	23.39	282.8	103,207	6,613
Light-Heavy to Heavy-Heavy Diesel Trucks	0.0623	6.2	371,469	9.57	106.3	38,811	1,018
Motorcycles	0.0201	2.0	120,054	37.79	8.7	3,177	329
Other	0.0064	0.6	38,227	7.03	14.9	5,437	105
Total	**—**	**100.0**	**5,963,753**	**—**	**667.4**	**243,592**	**16,339**

Project Operations Natural Gas Use

Source: CalEEMod Output

kBTU/yr = kilo-British Thermal Units/year

	Natural Gas Use (kBTU/yr)
Residential Development	
Multi-family Residences	773,777
Health Club	332,600
Residential Development Subtotal	*1,106,377*
Commercial Development	
Automobile Care Center	39,912
City Park	0
Convenience Market with Gas Pumps	16,950
Fast Food Restaurant with Drive Thru	336,328
High Turnover (Sit Down Restaurant)	267,084
Other Non-Asphalt Surfaces	0
Parking Lot	0
Supermarket	197,110
Commercial Development Subtotal	*857,384*
Residential + Commercial Development	
Project Grand Total	**1,963,761 kBTU/yr**

Project Operations Electricity Use

Source: CalEEMod Output

kWh/yr = kilowatt hours per year

	Electricity Use (kWh/yr)
Residential Development	
Multi-family Residences	197,866
Health Club	46,400
Residential Development Subtotal	*244,266*
Commercial Development	
Automobile Care Center	5,568
City Park	0
Convenience Market with Gas Pumps	29,520
Fast Food Restaurant with Drive Thru	111,044
High Turnover (Sit Down Restaurant)	88,182
Other Non-Asphalt Surfaces	0
Parking Lot	43,756
Supermarket	855,600
Commercial Development Subtotal	*1,133,670*
Residential + Commercial Development Project Grand Total	**1,377,936 kWh/yr**

Note: The estimates above represent total estimated electricity consumption on an annual basis from operations of the proposed project.